5

INDEX

TO

BOOKS AND PAPERS

ON THE

HYSICAL GEOGRAPHY, ANTIQUITIES, AND STATISTICS OF INDIA.

BY GEORGE BUIST, LL.D.;

CRETARY TO THE BOMBAY GEOGRAPHICAL SOCIETY; FELLOW OF THE ROYAL
SOCIETY OF LONDON AND EDINBURGH; FELLOW OF THE GEOLOGICAL
SOCIETY; MEMBER OF THE ROYAL ASIATIC SOCIETY OF LONDON; MEMBER
OF THE ROYAL GEOGRAPHICAL SOCIETY; MEMBER OF THE SOCIETY
OF ARTS; MEMBER OF THE SOCIETY OF SCOTTISH ANTIQUARIES,
&c. &c.

PRESENTED BY
Hon'ble E. I. Company

LIBRARY

Bombay:
PRINTED AT THE
BOMBAY EDUCATION SOCIETY'S PRESS.

1852.

PREFACE TO THE INDEX.

The compilation of the following Index, chiefly meant to facilitate reference to the transactions of our learned Societies, the contributions bearing on physical research being given in alphabetical order, under the double arrangement of the titles of the papers and the names of the authors, was commenced in 1849. It was intended to have been appended to the Manual then projected by the Bombay Geographical Society, and before the publication which has since appeared under the auspices of Her Majesty's Lords of the Admirality was known to have been in contemplation; and it was meant to relate mainly to such writings as a young geographer in India would desire to consult. As the Manual itself has become more bulky than was expected, and is likely to be mainly desired by travellers, it is intended to print off an impression of the Index, in a separate form, for the convenience of the general reader, and the plan has been accordingly made somewhat more comprehensive, and less definite than was at first contemplated. Although it was not expected that more than a skeleton would be within any reasonable time produced, a skeleton was looked for, possessed at the outset of considerable symmetry, such as might be filled up and completed by degrees after it was laid before the world. A long succession of attacks of sickness, followed by a very large addition of professional duty, has interfered with its completion on the original plan, and compelled me to call in assistance, which, without affording the aid I expected from it, has materially marred the uniformity of the whole, while the time required,

under the altered state of circumstances, to bring the Index into the condition at first contemplated, threatened so greatly to delay the issue of the Manual, that I thought it better to give it as it is than to defer it any longer. Those for whose accommodation it was intended will, I feel confident, prefer accepting it in its present most imperfect form, to waiting till it may have assumed a shape more nearly resembling that which was originally proposed to have been bestowed upon it, which it would probably not be able to receive for some years to come.

Should it afford the young geographer in the East the assistance intended, it may probably by-and-bye be considered worthy of being reprinted in our almanacs here, and at the other Presidencies,—successive supplements being added to, or incorporated with it, as circumstances may require.

One of the first difficulties encountered by a young man arriving in India, and desirous of improving the opportunities presented for observation, is to find out what has been done by others beforehand; and hundreds of occasions are every year lost by those who might otherwise have taken advantage of them failing to do so, from the apprehension that what seems new to them may be perfectly familiar to the world at large; or that they may be taking upon themselves a load of superfluous labour in examining, and incurring a risk besides of exposing their own ignorance in attempting to describe, things that have been already carefully examined and fully described by others.

At home, the information collected within the year is condensed from its primary form, and embodied in some general handbook almost as soon as it appears, and is reproduced in a hundred separate shapes in the numberless manuals or compendiums continually passing from the press, so that it is never far to seek for, or difficult to be come by: in India, on the other hand, it lies secluded for an infinite length of time in the various receptacles and depositories to which it was originally sent, the depositories themselves, in a majority of cases,

being in all likelihood inaccessible to those most desirous of consulting them. The private libraries amongst us are few in number, and very indifferently supplied. Public libraries are to be met with only at the Presidencies, and are of a limited extent, and most imperfectly provided with supplies, compared with kindred establishments at home. They are subjected to the double disadvantage of not probably possessing the information sought for, or of not being provided with a key by which it may be discovered.

In our Bombay libraries there are very few sets of serials complete, and the study of those we possess is constantly broken in upon by the volumes desired to be consulted being in the hands of, or being demanded by, other readers: our catalogues are so execrable as to render consultation troublesome in the extreme. These, and many other matters which might be enumerated, indicate the difficulties the general reader has to encounter, and may go some way to excuse the imperfections of the present Index.

The Indices of the best conducted of our Indian Journals possess no resemblance to what usually bear the name—they are nothing more than lists of the papers, given in the most imperfect form, in alphabetical order. The entire works must be carefully read through to be able to give a genuine Index to their contents, and those referred to amount to some 200 closely printed volumes. With the European publications this source of perplexity disappears.

The following short sketch will indicate the principal sources of reference that have been resorted to, but so full are these, as found in our libraries, of imperfections, that I am by no means certain that the sketch itself is accurate. The errors into which I have fallen will not, it is hoped, be found to occasion so much inconvenience as not to be counterbalanced by the accommodation the Index itself will afford.

It is somewhat curious, that the three most distinguished Societies we possess in India have all been brought into exist-

ence, and organized by the presiding Judges of Her Majesty's Courts of Justice. Sir William Jones, by far the most illustrious amongst those referred to, whose name still stands unsurpassed among Orientalists in India, was the father of the earliest and most renowned of them all,—the Bengal Asiatic Society,—which, under its founder, and first president, at once obtained a degree of celebrity that has never since been surpassed; and it is by one or other of the Judges of the Supreme Court that it has for many years past for the most part been presided over. It is to Sir James Mackintosh that Bombay owes the foundation of its Literary Society, brought into existence in 1806, and in 1828 adopted as a Branch by the Royal Asiatic Society of London. It is at present, under its new designation, presided over by Chief Justice Sir Erskine Perry, a ripe Orientalist, and general scholar. The Madras Literary Society was founded by Sir John Newbold, too soon removed from the charge of the Institution he established, but who left in his son, the late Captain Newbold, one of the most distinguished contributors to its Transactions, and one of the most indefatigable of our geologists and Oriental scholars.

The Bengal Asiatic Society was founded in 1784, the Governor General and Members of Council having expressed the warmest interest in its objects, and the greatest anxiety to promote them. Mr. Warren Hastings, the Governor General, declined to become its president, on the score of his dislike to occupy the first place in the Society, in which his position as a scholar must be second to many of those over whom it would be his duty to preside, and with whom he was unwilling to be placed in a state of comparison from which he could not fail to suffer, and Sir William Jones was accordingly elected. The address of this illustrious man, prefaced to the first of a series of volumes to which Europe owes so much of the knowledge she possesses of the East, is still pointed to as a model of excellence.

The Transactions of the Bengal Asiatic Society were printed at Calcutta in quarto, under the title of "Asiatic Researches."

The 1st volume appears to have issued from the press in 1788, and for the next twelve years, a volume of the Researches, containing from four to five hundred pages quarto, was annually presented to the world.

They continued to be issued in this shape till 1836, when the twentieth volume was published, and when they were first provided with a general alphabetical Index—a mere list of names, a key most unworthy to the noble work whose treasures it was intended to unlock. So highly valued was the information contained in the Asiatic Researches, that by the year 1806 four editions had been published in London of the earlier volumes: these were printed in an octavo form.

In 1832 the Bengal Asiatic Society passed a resolution, that the monthly journal hitherto issued under the name of "Gleanings in Science" should be permitted to assume that of the Journal of the Society, and be published under the charge of the Secretaries, and in this form it has contiuued to be printed ever since: the Researches were continued contemporaneously with the Journal till 1836: since then the former has been the only work the Bengal Asiatic Society has produced. The Journals and Researches together consist of forty large volumes, and extend over a period of sixty-three years.

The Transactions of the Agricultural Society of Bengal is the only other serial that I am aware of provided by any Calcutta Society, and to this, from its nature, I have but rarely applied.

The Calcutta Journal of Natural History was commenced in 1840 by Dr. Clelland. I have only seen the first three volumes: they are full of matter of interest, and have been repeatedly quoted in the Index.

The Indian Journal of Medical and Physical Science, published betwixt the year 1834 and 1844, and the India Review and Journal of Foreign Science and Art, commenced and closed some two years later, each extending to some eight or

ten volumes, were edited by Dr. Corbyn. They are chiefly made up of selected matter, but eontain some original papers of merit. They possess exeellent alphabetical Indices, and are both works of considerable value, though of uncouth aspect. Their contents are in the last degree miseellaneous.

The Madras Literary Soeiety was established in 1818, under the auspices of Sir John Newbold, Chief Justiee, afterwards its President: their meetings appear to have been frequent, and their diseussions interesting. Outlines of their proceedings appear in the newspapers of the day. I have not been able to discover where the earlier of their papers were published. In 1827 they eommenced the publication of a Journal; the first number is in quarto, printed in London; the subsequent numbers are in octavo—two parts, of 200 pages each, published half-yearly, in numbers, eonstituting a volume for the year. Tables of eontents and alphabetical Indices are prefixed or appended to each. The papers themselves are of great interest and value. They now, I believe, occupy about twenty volumes, although I have only seen the first ten, and a few stray papers or casual numbers: they do not seem to exchange with the other Societies, and rarely reply to letters when written to.

I am not aware of any other Seientific Society which publishes Transactions at Madras. The Engineers print their reports for private circulation; but, though full of matter of interest, which ought to be generally known, the work can only be referred to by those belonging to the Corps, and on the speeial condition of its not being promulgated. The Medical Board at Madras has long been distinguished for the admirable Reports on Medieal Topography prepared under its supervision; and if these have seldom been referred to, it is because of the nature of the subjects of whieh they treat. The reports of the Madras Astronomieal Observatory, eommenced in the time of Sir Thomas Munro, were prepared by Mr. Goldingham in three volumes folio. They treat of a eonsiderable variety of matters, and are of much interest to the meteorologist as well as to the astronomer. The Magnetic and Meteo-

rological Reports by Mr. Taylor have been published from 1841 to 1846, and the publication continues in progress under the present eminent astronomer, Major Jacob.

The Bombay Literary Society was brought into existence in 1806, chiefly through the exertions of Sir James Mackintosh We have scarcely any record of its earlier proceedings. It had till many years after this not been the custom here to publish the reports of our Societies, or of more indeed than a selection from the papers forwarded them, deemed worthy of their Transactions. The Transactions of the Bombay Literary Society were printed in London, in quarto form, in the years 1814, 1816, and 1819 respectively. The publication was discontinued on the issue of the third volume, on the score, it is presumed, of the expense. They have long been out of print, and, being full of matter of the greatest value, are about to be re-issued in octavo form. From this date, Bombay Orientalists seem to have forwarded their contributions to Calcutta, or to the Royal Asiatic Society of London, in whose Transactions they appear. The Literary Society was in 1828 re-organized, and became a Branch of the Royal Asiatic Society of London. In 1841 it commenced publishing a Journal in octavo form, which has now reached the fourth volume, and contains many papers of value; each volume has an alphabetical Index at the end.

The Bombay Geographical Society came into existence in 1832, when a vigorous system of survey was in operation, and a noble spirit of inquiry abroad. At this time arrangements were in progress for the opening up of the route by the Mediterranean, either by the Red Sea or the Persian Gulf, betwixt India and Europe—the paths in either case requiring most careful examination. The geography of the little known countries betwixt the British frontier and the Sutlej, and betwixt this again and the Indus, and of the vast plateau of Central Asia betwixt the Chinese frontier and the Caspian, was being explored, and some local organization was requisite for assisting travellers in their labours, and placing their researches before the world. The Bombay association was at

the outset a branch of the Royal Geographical Society of London, and its papers appeared in the home Transactions, a local publication at the first having been considered unnecessary. The Society proposed devoting its energies to the establishment of a library and museum, and it intended to keep a supply of instruments on hand, to be lent out to those who might desire to make use of them—a plan more liberal than practicable, the instruments in general never being returned at all, or being sent back unserviceable. Their object was to devote themselves to the pursuit of geography in the widest sense of the term, and to inquire into the climate, geology, hydrography, botany, and population of countries, as well as into their position, form, and boundaries. Its purpose seemed to have been to become a working corporation, prepared to plan and superintend the carrying out of investigations, rather than a mere receptacle for papers that might be sent to it for publication. In 1835 it was resolved to commence the publication of a series of Transactions of his own, abundant material for these having been procured by the officers engaged in public surveys then in progress—and the profusion of matter of a purely geographical nature at their command caused their researches into other sub-divisions of the science to be for a time laid aside, to be resumed in a somewhat more extended form afterwards, when hydrographical matter began to fail. The earlier numbers of the Transactions having fallen out of print, were reprinted in 1842; up to the present time nine volumes have been published, of 350 pages each.

The Transactions of the Bombay Medical and Physical Society commenced in 1838, and amount to ten numbers, or volumes: they were provided with a good separate Index in 1852. They afford but a moderate number of papers capable of being taken advantage of, and the same is the case with the Transactions of the Agricultural Societies both of Bombay and Calcutta.

The various London Societies, the Transactions of which I have quoted, are too well known to require to be more than alluded to.

The following are the periodical publications that have been chiefly consulted, with the contractions made use of in quoting them: the titles of many of them so closely resemble each other, that care must be taken in referring to the contractions resorted to, (to save space and printing,) otherwise confusion will be apt to arise. I have in the abbreviations called the Journals of all the learned Societies by the name of *Trans.* (Transactions), for the sake of uniformity; they being all in reality works of exactly the same general character, though sometimes assuming the one title, sometimes the other, so as to distinguish them from works called Journals which are not in reality records of the proceedings of learned bodies at all.

TITLES OF WORKS REFERRED TO.

Bengal.—Asiatic Researches, from 1788 to 1836, 20 vols. quarto, Calcutta Edition.—*As. Res.*

The Journal of the Bengal Asiatic Society, from 1831 to 1851, 19 vols. 8vo.—*Bl. As. Trans.*

Prinsep's *Gleanings in Science,* 3 vols. 8vo.—in full.

The Transactions of the Bengal Agricultural Society.—*Bl. Agri. Trans.*

The Calcutta Journal of Natural History, 3 vols. 8vo. 1842 to 1845.—*Cal. Jl. Nat. Hist.*

Corbyn's India Review—in full.

Corbyn's Medical Journal—in full.

The *India Journal of Medical and Physical Science,* edited from 1843 to 1845 by Dr. Eveleigh—from 1845 by Dr. Finch—in full.

The Quarterly Medical and Surgical Journal N. W. P. from 1844—in full.

Bengal Sporting Review.—*Bl. Sptg. Rev.*

Calcutta Review, vols. i.—xviii., from 1844 to 1851.—*Cal. Rev.*

Madras.—Journal of the Madras Literary Society from 1827 to 1851. I have not seen the last ten volumes.—*Mad. Lit. Trans.*

Bombay.—Transactions of the Bombay Literary Society, from 1806 to 1819, 3 vols. 4to.—*Bom. Lit. Trans.*

Transactions of the Bombay Geographical Society, from 1835 to 1852, 10 vols. 8vo.—*Bom. Geo. Trans.*

The Journal of the Bombay Branch of the Royal Asiatic Society, 5 vols. 8vo., from 1841 to 1852.—*Bom. As. Trans.*

Transactions of the Bombay Medical and Physical Society, from 1838 to 1851, 5 vols. 8vo.—*Bom. Med. and Phys. Trans.*

Transactions of the Royal Society of London.—*Phil. Trans.*

Transactions of the Royal Geographical Society of London. *Lond. Geo. Trans.*

Transactions of the Royal Asiatic Society of London.—*Lond. As. Trans.*

Transactions of the Geological Society of London.—*Lond. Geol. Trans.*

Reports of the British Association from 1832 to 1850, 17 vols. 8vo.—*Rep. Brit. Ass.*

The Asiatic Journal from 1816 to 1844, 69 vols.; old series, to 1829, 27 vols. 8vo.; new series, to 1842, 38 vols.; third series, 1842 to 1844, 4 vols. 8vo.—*As. Jl.*

The titles of all the other periodicals and of all the books referred to are given in full.

The Governments of the North West Provinces, of Bengal, and Bombay, have of late years published a series of very valuable papers—Selections from the Public Records: these have been freely drawn upon, and quoted under their proper titles. They are full of most valuable information.

INDEX.

A

Abbott, Capt. James, Bengal Artillery, a Cadet of 1821; Revenue Survey 1834—1838; Assistant Political Agent at Heerat 1847; Commissioner on the Punjaub borders. Journey from Khiva to St. Petersburgh, in 1841-42. Lond. 1843, 2 vols. 8vo.—On kunkur formations. Bl. As. Trans. 1845, vol. xiv. 442.—On the manufacture of the matchlocks of Koteli. Ibid, 1848, vol. xvii. 277.—Account of a remarkable ærolite which fell at the village of Manicgaom, near Eidulabad, in Khandeish. Ibid, 1844, vol. xiii. 880.—Account of the manufacture of Damascus blades. Ibid, 1847, vol. xvi. 417.—Account of the process of obtaining gold from the sand of the river Beas. Ibid, 266.—Account of the extraordinary flood in the Indus, in April 1841, from the mouths of natives. Ibid, 1841, vol. x.; Edin. Phil. Jl. 1842.—Remarks on Greek sculptures of Potawar. Ibid, 1849, vol. xviii. On the battle-field of Alexander and Porus. Ibid, vols. xvii. xviii.—Lists of the ryots of Sealkote. Ibid.—On the cities of Nikaia and Boukephalon. Ibid, 1852, 214.

Aboo, mount, a magnificent mass of mountain in the western extremity of Ajmeer, lat. 24° 36′ N., long. 73° 25′ E.; about 5,000 feet in height; a fine lake on the top of the hill (drawings by Grindlay); mountain covered with magnificent Jain temples, of extraordinary costliness and beauty (drawings of in Grindlay's Views of Western India); subject to frequent shocks of earthquake; much resorted to from Deesa in the hot season. Col. Tod's description of. Travels in Western India. 1 vol. 4to.; Asiatic Observer; quoted by As. Jl. 1824, vol. xviii.; Delhi Gazette 17, and Bombay Times 29 April 1847.

——— Dr. Robson's description of. Bombay Times, 1840.

——— Earthquakes at, in 1848. Ibid, June 1848-49.

——— Sanskrit inscriptions at. H. H. Wilson on. As. Res. 1828, vol. xvi. 284.

Aboriginal tribes of the Himalayas. Orient. Chris. Spec. 1842, vol. iii. second series, I—4.

————— of India. General Briggs on. Edin. Phil. Jl. 1851, 331.

——— Hindoos, Language of. Dr. Stevenson on. Bom. As. Trans. vol. i. 163.

Aborigines of India, their languages, &c. H. B. Hodgson on. Bl. As. Trans. 1847, vol. xvi.

——— of the Sub-Himalayas. Addenda et corrigenda on. H. B. Hodgson. Ibid, 1848, vol. xvii. 73.

——— Vocabulary of language of, of Southern India. H. B. Hodgson. Ibid, 1849, vol. xviii.

——— of North-eastern India. Ibid.

——— of the Neilgherry Hills—Buddagars, Todawars, Cotters, and Mulhccurumbers. Col. Lambton on. Bom. Geo. Trans. vol. iv. 23.

————— Ainslie on atmospheric influences on health of. Lond. As. Trans. vol. i.

——— of Central India. H. B. Hodgson. Bl. As. Trans. 1848, vol. xvi. 551.

Acheen. Account of. J. Anderson. Lond. 1840.

——— Genealogy of Mahomedan kings of. Newbold. Mad. Lit. Trans. vols. iii. 54; iv. 117.

Act, copy-right. Notice of. Friend of India, 1841, 675; 1842, 738, 755, 772; 1845, 803; 1847, 196.

——— Apprenticing. Ibid, 1846, 723; 1849, 580; Bombay Times, November 21, 1846; February 9, 1848; May 21, and June 1, 1850.

Acts of the Governor General in Council. Calcutta Review on. 1847, vols. vii. ; viii. 329 ; 1848, vol. ix. 113, 319; 1849, vol. xi.

———— Index to Acts passed betwixt 1834 and 1849, 1 vol. 4to. J. Small. Calcutta, 1851.

Adam, William. Reports on the state of education in Bengal and Behar, in 1836 and 1838. Calcutta Review on. 1841, No. iv. ; As. Jl. 1838, vol. xxvii. ; leaves India, 223.

———— Dr. J., Bengal Medical Service ; Secretary to the Bengal Medical Board ; Founder of the Calcutta Medical Society. Geology of Buddelcund and Jubbulpore. Memorandum on. Bl. As. Trans. 1842, vol. xi. 392.—Account of Barren Island, Bay of Bengal. Ibid, vol. i.

Adam's Peak, in the island of Ceylon. Sketch of journey to summit of. As. Jl. 1816, vol. xi. 137 ; Ceylon Almanac.

———— Bridge, and Ramiseram temple and island, near Manaar. Account of. Lieut. Christopher. Bom. Geo. Trans. 1844, vol. vii. 130.

———— Account of. Dr. Wilson. Lands of the Bible, vol. i. 9—25 ; Bruce's Travels.

———— Haines' description of peninsula, shores and climate. Lond. Geo. Trans. vols. ix. xv.

———— Salt's account of. Travels.

———— Medical topography of. Bombay Times, January 16, 1839 ; Corbyn's India Review, vol. iii. ; Bom. Med. and Phys. Trans. 666.

———— ulcers. Dr. Campbell on. Bom. Med. and Phys. Trans. ; reprinted Ind. Jl. of Med. and Phys. Sc.

———— Description of. Foster. Bom. Geo. Trans. 1839.

———— Description of. Dr. Duff. Home and Foreign Missionary Record, 1840 ; Bombay Times, 1840, 407.

———— Account of. Lieut. Col. Mignon. Almanac, 1842.

———— F. Burr's account of. Lond. Geol. Trans. 1841, vol. vi. 30 ; Bom. As. Trans. vol. i. 84 ; Ind. Rev. 1842, vol. vi.

———— Geology of. Dr. Malcolmson. Lond. As. Trans.

———— Ancient inscription at. (See Haines.)

———— Account of quicksilver found at. Bombay Times, 1843 ; Bom. As. Trans. 1843, vol. i. 341.

———— Report on. Dr. Arbuckle. Bom. Geo. Trans. vol. i. 302.

———— Memoir on coast north of. Ibid, 19.

———— M. D'Abbadie's account of. Ibid, 12.

———— On specimens of lava from, compared with that of Aden. Dr. Buist. Bom. As. Trans. vol. i.

———— Remarkable currents in gulf of, betwixt the Arabian and African shores. Haines on. Lond. Geo. Trans. 1848. Supposed to arise from the influence of the winds, or variations in the character of the water in the Red Sea.

———— Discovery of fluor spar in lava of. Dr. Giraud on.

———— Botany of. Edgeworth's couple of hours' herborization at. Bl. As. Trans. 1847, vol. xvi. 1211.

———— Sailing directions from cape and bay of, to Straits of Babelmandeb. Haines' memoir on S. E. Coast of Arabia. Lond. Geol. Trans. vol. xvi. 150.

———— Climate of, and observatory at. Notice of observations. Mayes. Bom. Geo. Trans. 1852. Preface by Dr. Buist.

Adansonia digitata, monkey bread-fruit ; tree of remarkable size, 45 feet in circumference. Description of, destroyed in a single season by capricorn beetle. Bom. As. Trans. vol. i. 136.

———— Description of. Forbes' Memoirs, vol. iv. 84 ; Description of Mandu, 73-74. There are three of these trees at Allahabad, and three at Agra.

Adhikanan, a poet of the Dekkan. Memoir of. Lond. As. Trans. vol. i. 141.

Adoption of heirs by Hindoo chiefs. Right of, universally admitted. Blue Book, 1850 ; Bombay Times, May 1850.

Ærolites. Account of a remarkable, which fell at the village of Maniegaom, near Eidulabad, in Khandeish. Capt. J. Abbott. Bl. As. Trans. 1844, vol. xiii. 880.

———— Account of one which fell at Rajamundry. Mad. Lit. Trans. vol. xiii. 164.

———— Dr. Buist's list of. Bom. Geo. Trans. 1850, vol. ix.—Professor Powell on. Rep. Brit. Ass. 1847—1852. (See Meteors.)

Affghanistan. Comparative geography of. (See Rawlinson.)

———— Topography of. Dr. Robertson on. Cal. Jl. Nat. Hist. vol. ii.

Afghanistan. Visit to Ghuznie, Cabool and Affghanistan. (See Vigne.)
——— Objects of research in. (See Lassen.)
——— Memoir on the climate, soil, &c. of. Irwin on. Bl. As. Trans. 1841.
——— Northern. Mines of. (See Drummond.)
——— Reports on subjects connected with. Dr. Griffiths on. Bl. As. Trans. 1841, vol. x. 797.
——— Accounts of. (See Elphinstone, Sale, Greenwood, Havelock, Kennedy, Ouchterlony, Atkinson, Strange, Connolly, Burnes, Masson, H. H. Wilson.)
——— Moral view of the population of. As. Jl. 1810, vol. xi. 142.
——— Expedition into. Dr. Atkinson. Lond. 1842, 1 vol.
——— History of war in. J. W. Kaye. Lond. 1851, 2 vols. 8vo.—Calcutta and North British Reviews on. October 1851.
——— March through, and Scinde. Revd. Mr. Allen. Lond. 1843, 1 vol.
——— Antiquities of. (See Wilson.)
——— Description of. Masson's Journeys.
——— Political staff in. Friend of India, 1841, 355.
——— Trade with. Bl. As. Trans. 1841, vol. x. 479 ; Edin. Phil. Jl. ; Bombay Times, 1841, 417, 434, 497, 512, 593.
——— Notice of some land and fresh water shells occurring in. Capt. T. Hutton. Bl. As. Trans. 1848, 62.
——— Eusofzaie tribes of. Notes on. Capt. Connolly. Ibid, 1840, vol. ix. 924.
——— and Scinde. On the operations of the British Troops in. Dr. Buist. Bombay, 1843, 1 vol. 8vo.
Affghans and Seikhs, in connexion with India and Persia. Shahamet Ali Meer, Moonshee to the Resident, Indore. Lond. 1847, 1 vol. 8vo.
Africa. Expedition to the coast of. Lond. As. Trans. vol. i. 161.
——— Eastern. Commercial and geographical view of. Dr. Bird. Bom. Geo. Trans. 1840, vol. iii. 112.
——— Observations during a voyage of research on the east coast of, from Cape Guardafui south to the island of Zanzibar. Capt. T. Smee and Lieut. Hardy. Ibid, 1841—1844, vol. vi. 23.
——— Remarks on the N. E. coast of, and the various tribes by which it is inhabited. Lieut. C. P. Rigby, 16th Regt. Bo. N. I. Ibid, 69.
Agalamatolite, or figure stone—Jameson ; Phillips called it pagodalite, from always being imported from China in figures, pagodas, &c. ; also sammy, or swammy, *i. e.* god stone ; found in quantities near Chota Nagpoor. Col. Ouseley on. Bl. As. Trans. 1843, 923 ; Reports 63.
Agastya, a great Tamul author. Memoir of. Lond. As. Trans. vol. iii. 213.
Agastyan, a celebrated Tamul poet. Memoir of. Ibid, vol. i. 140.
Agriculture of Hindustan. Duncan. Journal of Highland Society of Scotland.
——— of Southern Mahratta Country. Observations on. Dr. T. Christie. Mad. Lit. Trans. vol. iv. 452.
——— of the Deccan. Dr. Gibson on. Lond. As. Trans. 1846, 93.
——— of Cutch and Goozerat. Col. Melvill on. Bom. As. Trans. vol. i.
——— of Affghanistan and adjoining countries. Lieut. Irwin on. Bl. As. Trans. 1839, vol. viii.
Agricultural Dictionary. Loudon.
——— capabilities of India. As. Jl. 1836, vol. xx. part 2, 90 ; Meerut Universal Magazine, vols. iii. iv. ; Colebrooke's Husbandry of Bengal.
——— implements in Hindustan. Heyne on.—Capt. G. Wingate's journal on.
——————— in Malabar and Canara. Dr. F. Buchanan on. Travels, vol. iii. 239 ; in Mysore, 323 ; in Malabar, 38 ; plates.
Ahmedabad, Journal of march from, to Sukkur, in Upper Scinde. Capt. DelHoste. Bom. Geo. Trans. 1840, vol. iii. 145.
——— Frightful disease that prevailed in zilla of, in the years 1817, 1818, and 1839. J. Gilder. Bom. Med. and Phys. Trans. vol. i. 190.
——— Singular hollow in the collectorate of, supposed volcanic, called the Boke. Capt. Fulljames. Bom. Geo. Trans. vol. vii. 161.
——— Injuries sustained by, during the earthquake of 1819. (See Earthquakes, Burnes, McMurdo, Smith, Lyell.)
Ahmednuggur, a city and fortress in the province of Aurungabad, ceded to the British in 1803 ; principal artillery station of the Bombay Presidency. Ash's statistical, topographical, and geological notices of. Bom. Med. and Phys. Trans. vol. ii. 160.

Alum manufactories in Cutch. McMurdo's account of. Bom. Lit. Trans. vol. ii. 210; Gleanings in Science, 1830, vol. ii. 385.

———— Capt. Grant's account of. Lond. Geo. Trans. 1839.

———— Dr. Jameson on, as practised in the Punjaub. Bl. As. Trans. 1843, vol. xii.

———— in Scinde. Vicary on. Lond. Geol. Trans. 1847, vol. i. 341.

———— at Kalabagh. Dr. Fleming on. Alkaline variety of carbonate of soda. 1,200 maunds, at Rs. 3 per maund, worth Rs. 36,000 annually, manufactured. Bl. As. Trans. 1848, vol. xvii. 525.

———— in the zillah of Behar. Capt. Sherwill on. Ibid, 1846, vol. xv. 58. Called silagect; same as brought under this name from Nepaul, and sold for Rs. 1 per tola. Ibid.

Amber mines of Ava. Description of. Bl. As. Trans. vol. vi. 274.

———— on the frontiers of Assam. Capt. Hannay's account of. Ibid, 1837, vol. v. 274.

Amirantes and Seyschelles islands. Major Sterling's account of. Bom. Geo. Trans. vol. ii. 22.

Ammonites found by Gerrard at the height of 1,800 feet. As. Res. vol. xviii. 110; As. Jl.

Ankobar. Journey to. Dr. Kirk. Bom. Geo. Trans. vol. vi. 317.

Anarajapura. Ruins of. Lond. As. Trans.

Ancient gems and seals. Description of, from Bactria, the Punjaub, and India. Lieut. A. Cunningham. Bl. As. Trans. 1844, vol. x. 147.

———— Inscriptions. Ibid, 1838, vol. vii. 901, 966, 1055.

———— Hindoo coins from Jeypoor and Oujein. Ibid, 1052.

Andamann isles, in the Bay of Bengal; a continuation of the Archipelago, which extends from Cape Nigeris to Sumatra; the highest point in the Great Andamann is 2,400 feet. Its population are cruel and savage; the country is covered with thick forest, and is very sickly. (See Colebrooke.) As. Ann. Reg. vol. ii. 89; Cal. Rev. No. xxvi. 20.

Angora, or white-haired goat. Lieut. A. Connelly. Lond. As. Trans. vol. vi. 159.

Animals. Hospital for, at Surat. Ibid, 1850, vol. i. 96; Forbes' Memoirs.

Annals of the Bengal presidency for 1849. Cal. Rev. Nos. xxv. xxix.

———— of the East India Company, from 1600 to 1787. J. Bruce, M. P., F. R. S. Lond. 1810, 3 vols. 4to.

———— of India, for 1848-49. Dr. G. Buist. 1 vol. 8vo.

Annesley, Dr., afterwards Sir James. Medical works.—Remarks on the diseases of India. Lond. 2 vols. 8vo.—Description of Indian diseases. 1 vol.

Anquetil du Perron. Zendavesta. 2nd vol. 1777.—Ouphnekhat, *i. e.* Upanishad.

Ansted, Professor. On the coal of India. Rep. Brit. Ass. 1846, part 2, 63.

Ante Brahminical worship of the Hindoos. Dr. Stevenson. Lond. As. Trans. vols. vi. 239; viii. 330.

Antankari, a seaport eleven miles east from the capital of Ramnad. Ibid, vol. iii. 170.

Antiochus the Great. Discovery of the name of, in two of the edicts of Asoka, king of India. James Prinsep. Bl. As. Trans. 1838, vol. vii. 156.

Antiquities of Sarguja, and its neighbourhood. Lieut. Col. J. R. Ousely on. Ibid, 1848, vol. xvii. 65.

———— at Kalinjar. Description of. Lieut. F. Maisey, 67th Bl. N. I. Ibid, 171.

———— of the districts within the Bhopal agency. Notes on. Capt. J. D. Cunningham. Ibid, 1847, 759.

———— of Western India. Dr. Wilson on. Bom. As. Trans. 1850, No. xiii.

Antshar. Dr. Horsfield's experiments on the poison of. Lond. As. Trans. 1846, vol. ii. 17.

Antimony ores found near Beyla. Major Boyd's account of. Bom. Geo. Trans. 1839-40, vol. iii. 204.

———— Sulphuret of, in Maulmain. Capt. Foley on. Bl. As. Trans. 1836, vol. v. 273.

———— discovered in the Indian Archipelago. As. Jl. 1824, vol. xviii. 143.

Anthology, Persian. Lond. As. Trans. 1818, vol. vi.

Apostacy and conversion of India; an address by the Revd. Dr. Wilson. Evangelization of India, 101, 179.

Apples of Sodom. Dr. Robertson on. Edin. Phil. Jl. 1842, vol. xxxii. 20.

Araba Wadi, a deep valley running betwixt the top of the Gulf of Akaha, and the Dead Sea; 105 miles in length, and about 10 in width; summit level above the sea 495 feet. Wilson's Lands of the Bible, vol. i.; Lond. Geo. Trans.

———— Petermann on the river Jordan. Lond. Geo. Trans. 1848.

———— Carless' survey of the Gulf of Akaba. (See Carless.)

———— Coal found in. Newbold. Bl. As. Trans.

Arabs. Some original passages on the early commerce of. Dr. Sprenger. Bl. As. Trans. 1845, vol. xiii. 519.
——— of the mount Sinai peninsula, and Syrian desert. Wilson's Lands of the Bible, vol. ii. 705—712.
——— who inhabit the coast between Ras-el-Khima and Abothubee, in Gulf of Persia, generally called the Pirate Coast. Account of. Lieut. H. H. Whitelock, I. N. Bom. Geo. Trans. vol. i. 32.
——— in India. Ritter's Erdhunde von Asien, Tom. iv. i. 581—594.
Arabia. Inscriptions found on the southern coast of. Lond. As. Trans. vol. v. 91.
——— Alphabet of, &c. Wilson's Lands of the Bible, vol. ii. 686, 745, 740.
——— Survey of the southern coast of, from Babelmandeb to Ras-el-Hudd. Capt. Haines. Lond. Geo. Trans. vols. ix. xv.
——— from Muskat to Aden. Capt. Saunders on. Lond. Geol. Trans. 1846.—Dr. Carter on. Bom. As. Trans. vols. ii. iii. 1850-51.
——— Notes on a shipwreck on the southern coast of. Dr. Nicholson. Bom. Geo. Trans. 1844—1846, vol. vii. 238.
Arabian Sea. Currents in. (See Young, Orlebar.)
——— and Persian geographers; or the geography of tho middles Ages. Illustrations of. James Bird. Wilson's Lands of the Bible, vol. ii. 58.
——— Press. Establishment, history, and present condition of. Dr. Balfour on. Lond. As. Trans. 1829; As. Jl. 1830, vol. ii. 273.
Arabic inscription on a tombstone at Malta. Lond. As. Trans. vol. vi. 173.
——— from China, with translation. J. Shakespeare. Ibid, vol. v. 272.
——— language. Remarks on. J. M. Dickinson. Ibid, 316; Mill's History of Mahomedanism, 400.
——— work, entitled Rasayil Ikhivan-al-Cafa. Notice of. Dr. A. Sprenger. Bl. As. Trans. 1848, vol. xvii. 501.
Arc of the meridian. Measurement of an. Lambton. As. Res. vols. x. xii. xiii.
——— Col. Everest on the measurement of. Lond. 1830, 1 vol.; 1847, 2 vols. 4to.; Cal. Rev. 1845, vol. iii.—Edinburgh Review on. 1848, vol. xxxvii. 874.
Archer, Major. Tours in Upper India. Lond. 1833, 2 vols.
Architecture of the Hindoos. Notice of an essay on. Lond. As. Trans. vol. i. 145—156.
——— Ram Raz's essay on. 1 vol.
——— of Cashmeer. Arian order. Capt. A. Cunningham on. Bl. As. Trans. 1847, vol. xvi. 241.
——— of Grand Cairo. Orlebar on. Bom. As. Trans. vol. ii.
——— Kittoe's illustrations of Indian. 1 vol.
Arctonix from Arracan. Note on a species of. Dr. G. Evans. Bl. As. Trans. 1838, vol. vii. 732.
Argentiferous copper ores, Beerbhoom. Piddington's second report on. Bl. As. Trans. 1852, 74. (See Copper and Beerbhoom.)
Ariana Antiqua. Memoir on coins and antiquities of Affghanistan. C. Masson and H. H. Wilson. Lond. 1841, 1 vol. 4to.
Armenians. Article on Church of. Wilson's Lands of the Bible, vol. ii. 479, 505.
——— of Calcutta. Census of. Andall. Pamphlet.
——— Language of. Dissertation on antiquity of. Arratoon Isaac Aganoor. Lond. As. Trans. vol. iv. 333.
——— Bibliography of. Samuel Marcar. Madras, 1846.
——— Provinces under Russia. Account of. Samuel Marcar. Madras, 1847.
Army. Cases of insubordination in the. Friend of India, 1847, 643.
——— of Bengal. History of rise and progress of. Capt. A. Broome.—Review of. Friend of India, 1850, 821; 1851, 5.
——— of the three Presidencies. Characteristics of. Sepoys first drilled in European manner at Bombay, before they were embodied either at Madras or Calcutta. East Indian Military Chronicle; As. Jl. 1823, vol. xvi.
——— Indian. Strength of. Parliamentary Return of. Blue Book, 1847; reprinted Bombay Times, September 1847. For 1825—Bengal: Europeans, 4,512; Natives, 152,843; total, 157,355. Bombay: Europeans, 1,928; Natives, 40,711; total 42,639. Madras: Europeans, 4,350; Natives, 6,194; total, 66,397; grand total, 206,291. 1835—Bengal: Europeans, 4,220; Natives, 79,703; total, 83,923. Bombay: Europeans, 2,285; Natives, 25,782; total, 28,007. Madras: Europeans, 4,739; Natives, 49,640; total, 54,379; grand total, 166,369. 1838—Bengal: Euro-

peans, 4,303 ; Natives, 82,801 ; total, 97,122. Bombay : Europeans, 2,266 ; Natives, 26,158 ; total, 28,424. Madras : Europeans, 4,901 ; Natives, 48,030 ; total, 513,831 ; grand total, 169,377. 1845—Bengal : Europeans, 5,034 ; Natives, 121,091 ; total, 126,125. Bombay : Europeans, 3,667 ; Natives, 49,873 ; total, 53,540. Madras : Europeans, 5,883 ; Natives, 64,482 ; total, 70,365 ; grand total, 250,030.

Army, Indian. System of invaliding in. Parliamentary Paper, February 1847 ; Bombay Times, April 1847.

——— Debts of, above a million sterling in 1848. Friend of India 14, and Bombay Times 27 September 1848.

——— Furlough Memorial. Bombay Times, June 1847, and September 30, 1848.

——— Diseases, and causes which lead to disability for service in. Dr. Finch on. Rep. Brit. Ass. 1840.

——— Vital statistics of. Sykes. Ibid, 91.

——— Cholera less fatal to, than generally supposed. Sykes. Ibid, 1850.

——— Gambling in. Friend of India on. 1850, 590.

——— Simla cases of gaming. Ibid, 593, 689.

——— Company's European, in 1842, 25,000 strong, half infantry, half artillery. As. Jl. 1843, 656. Company's European troops—about 25,000 Queen's troops besides—50,000 in all.

——— Bombay. Increase of strength of, from 1838 to 1847 : in 1838, Europeans, 5,502 ; Natives, 25,108 ; total, 30,610. 1843, 51,694. 1847, 65,200. Bombay Times, February 10, 1847.

Arnott, Dr. Account of the hill of Powanghur, near Baroda. Bom. Geo. Trans. 1839, 33.

Arracan, a maritime province on the eastern shores of the Bay of Bengal, adjoining Chittagong ; acquired by us in 1826 ; capital of the same name. Ancient account of. As. Jl. 1824, vol. xvii. 342.

——— Journey from Ramoo to. Ibid, vol. xviii. 342.

——— Volcanic coal from. (See Piddington.)

——— Statistical sketches. (See Paton.)

——— Capt. Phayre's account of. Bl. As. Trans. 1840, vol. x. 679.

——— Chain of volcanoes off the coast of. Calcutta Coal Committee on, 1838 ; Corbyn's India Review, 1842, vol. ii. ; Mrs. Somerville's Physical Geography, vol. i. 257. (See Volcanoes.)

——— Capt. B. Smith on Indian earthquakes, and delta of the Ganges. Cal. Jl. Nat. Hist.

Arrack, a spirituous liquor manufactured in the East, sometimes from toddy,—the sap of the palmira, date, and cocoanut palms, and not from the cocoanut exclusively, as often stated,—from dates, or from rice or other grains In Ceylon, arrack can be made for betwixt 8*d.* and 10*d.* per gallon. McCulloch's Commercial Dictionary ; Melbourne's Oriental Commerce ; Marshall's Essay on the Cocoanut Tree.

——— Stewart on the palm tree. Ceylon, 1840.

——— Dr. Buist on distillation. Native Arts and Manufactures. Bombay Times, June 1850.

Arrian. Quotation from account of castes of ancient India. Lond. As. Trans. vol. vi. 365.

Arral river, Scinde, Sea of Narra, and lake. Dr. Knight's account of. Bom. Geo. Trans. vol. iv. 96.

——— Lieut. Postans' account of. Ibid, vol. iii. 122.

——— Professor A. B. Orlebar's account of. Ibid, vol. vi. 95.

Arsinœ, a port at the head of the Red Sea, in the time of Ptolemy Philadelphus. Newbold on. Lond. As. Trans. vol. viii. 357.

Artesian wells. Boring to the depth of 350 feet for, at Calcutta, in 1836-37. Cal. Jl. Nat. Hist. vol. iii. ; Bl. As. Trans. ; Mad. Lit. Trans. vol. vii. 472.

——— Operations in Colaba, Bombay.

Arthur's mission to the Mysoro. Lond. 1850.

Artillery, Bengal. Capt. Buckle's History of. Lond. 1849.—Calcutta Review on. Vol. xii. 320.

——— History of. Cal. Rev. 1848, vol. ix. 415.

——— Madras. Capt. Begbie's history of, from 1660 to 1851 ; with a sketch of the rise and progress of the British power in Southern India. Lond. 1852, 1 vol. 8vo.

Arts and Manufacturos, Native : vegetable oils ; fish oils ; vegetable expressed ; oils volatile ; distillation ; pottery ; paper-making ; turning ; stone-cutting ; seal-engraving ; stone-masonry ; carpentry ; pottery ; gold-thread manufacture, &c. Bombay Times, April, May, and June 1850.

Ash, G. Memorandum respecting the internal trade of Bombay. Letter from the Court of Directors in reference to. Lond. As. Trans. vol. iv. 13—33.

——— Lieut. Notice of the geology of Ahmednuggur. Bom. Med. and Phys. Trans. vol. ii. 104.

Ashes. Mounds of, in Southern India. Lond. As. Trans. vol. vii. 129; Bl. As. Trans. 1836.

Asia. Russian commerce with. Lond. As. Trans. vol. i. 289.—Note on. Mad. Lit. Trans. vols. vii. 130; v. 130. (See Newbold, Cole.)

——— Central and Eastern. Geographical remarks on. As. Jl. 1816, vol. ii. 161.

Asie Centrale. Humboldt on. Paris, 1842, 3 vols.; Lond. As. Trans. 1842.

Asiatic languages. Comparison of. S. W. Williams. Bl. As. Trans. 1838, vol. vii. 707.

Asoka, the Hindoo Maharajah of Pat-aliputra, propagator of Buddhism. Account of. Sir E. Perry. Bom. As. Trans. 1851.—Prinsep, J., on the edicts of, preserved on the Girnar inscriptions. Bl. As. Trans. 1838, vol. viii. 21; Bom. As. Trans. vol. i. Copies of by Major Jacob and Mr. Westergaard.—Discovery of the names of Antiochus the Great in edicts of. Prinsep. Bl. As. Trans. 1836, vol. vii.—Edicts of, in establishing the Buddhist religion. Bom. As. Trans. 1838.—Wilson, H. H., on Hindoo city of Cashmeer. As. Res. vol. xv.—Remarks on. Hon'ble G. Turnour. Bl. As. Trans. 1836, vol. v. 520.

Asphaltic, mastic, applied to roofing, &c. (See Goodwyne.)

Ass, wild, of Goozerat. Capt. DelHoste's account of. Bom. Geo. Trans. 1839, vol. iii. 152.

——— of Thibet. Dr. H. Walker's account of. Bl. As. Trans. vol. xvii. 1.

Assal. Salt lake of, on the N. W. Coast of Africa, near Tadjourra; an old volcanic crater; water 500 feet below the level of the sea, nearly converted into salt. Harris' Highlands of Æthiopia, vol. i.; Bom. Geo. Trans. vol. vi. 324. (See Kirk, Barker.)

Assam. Report on manufacture of tea in. Bruce. Bl. As. Trans. 1839, vol. viii. 497; Bom. As. Jl. 1840, 25.

——— Ancient temples of. Notes on. As. Jl. vol. xvii. 459.

——— coal fields. Report of Coal Committee on. Bl. As. Trans. vol. vii. 948.

——— Survey of. As. Jl. vol. xix. part 1, 105.

——— Robinson's description of. 1 vol. 8vo.

——— Geography of. (See Neufville.)

——— Description of. (See Bazlm.)

——— Survey of. (See Wilcox.)

——— Topography of. McCosh. 1 vol. 8vo.

——— Earthquakes in, in 1810. Major Jenkins. As. Jl. vol. xviii.

——— Language spoken by various tribes in. Robinson on. Ibid.

——— Ancient temples and remains in. Major Hannay on. Bl. As. Trans. vol. xvii. 459.

——— Rawlinson's researches. Lond. As. Trans. 1840—1852, *passim*.

Assyria and Persia. Ancient history of. Lond. As. Trans. vol. v. 217.

——— Travels in. Layard. Lond. 1840, 2 vols.; with atlas and plates.

——— Rawlinson's outlines of history of. Antiquities collected back to the tenth century B. C. From this, there is an entire chain-line of kings down to the Jewish captivity, 600 B. C.

Assyrians. Analogies between their worship and that of the Hindoos. Lond. As. Trans. vol. i. 87.

Astrology. Influence of a belief in, on the Natives of India. Ibid, 160.

Aston, Capt. Shower of grain in India. Rep. Brit. Ass. 1840, part 2, 44.

Astrolabe, Persian, brought from Herat by Major Puttinger. Description of. Principal Middleton. Bl. As. Trans. 1844, vol. x. 7—9.

Astronomy amongst the Hindoos. History of. J. Bentley. Lond. 1825; As. Res. vol. xi.—Strictures on. Edin. Rev. vol. i.—Reply to. As. Res.; Cal. Rev. vol. i. 257; Edin. Cab. Lib.

——— Oriental. Revd. H. R. Anderson. Jaffna, 1848.—Calcutta Review on. No. xiii. 65.

Astronomical instrument, Native, presented by Ram Sing Kota to the Bengal Asiatic Society. Account of. Bl. As. Trans. vol. viii. 831.

——— Observatory at Benares. Sir Robert Barker's description of. Phil. Trans. vol. lxvii.; As. Jl. vol. v. 557.

——————— at Oujein and Delhi, Muttra and Benares. As. Res. vol. v. 180.

——— instruments used by the Arabs on ship board, for determining latitude. Account of. J. Prinsep. Bl. As. Trans. vol. v. 448, 784.

——— labours of Jayasinha, Rajah of Amblere. Bl. As. Trans. vol. v. 177. (See Observatory.)

——— observations in Fort William, and between Madras and Calcutta. As. Res. vol. i. 57.

——————— Method of calculating the Moon's parallaxes in latitude and longitude. Ibid, 320.

Astronomical observations. Remarks on artificial horizon. Reuben Burrow. As. Res. vol. i. 327.
———— Correction of the lunar method of finding longitude. Reuben Burrow. Ibid, 433.
———— Calculations of the Hindoos. Samuel Davis. Ibid, vol. ii. 225.
———— Eclipses of Jupiter's satellites. Reuben Burrow. Ibid, 483.
———— On the Indian cycle of sixty years. Samuel Davis. Ibid, vol. iii. 209.
———— made on a journey to Oujein. Dr. W. Hunter. Ibid, vol. iv. 141.—Remarks on. Sir W. Jones. Ibid, 157.
———— Playfair's questions and remarks on the astronomy of the Hindoos. Ibid, 159.—Remarks on. Sir W. Jones. Ibid, 163.
———— made on a voyage to the Andamann and Nicobar Islands. Ibid, 317.
———— In Hindustani. Ibid, 359.
———— on the tables called Zees Mahomed Shaby, constructed by Jayasinha. Ibid, vol. v. 205.
———— of the Burmese. Ibid, vol. vi. 168, 188.
———— On the antiquity of the Surya Siddhanta and other astronomical systems. Ibid, 537.
———— Ephemeris, for medical and meteorological purposes. Ibid, vol. viii. 1.
———— On the Hindoo system of, and their connection with ancient history. Ibid, 193.
———— On the Indian and Arabian divisions of the zodiac. Ibid, vol. ix. 323.
———— at Fort St. George, 1806, 1807. Capt. John Warren. Ibid, vol. x. 513.
———— for determining the obliquity of the ecliptic. Capt. John Warren. Ibid, vol. xii. 192.
———— On the notions of Hindoo astronomers concerning the procession of the equinoxes, and motions of the planets. H. T. Colebrooke. Ibid, 209. (Additions and Notes at the end of the volume.)
———— in the Himalaya mountains. Ibid, vol. xiv. 153.
———— made at Benares. Ibid, vol. xiv. App. i. No. 1, 1.
Aswastama inscription of Dhanli, in Cuttack. James Prinsep. Bl. As. Trans. 1838, vol. vii. 434.
Atkinson's expedition into Affghanistan. Lond. 1841, 1 vol.
Atmosphere. Observations on temperature of, and on the density of sea-water, made during a voyage to Ceylon. John Davy, M. D., F. R. S. Lond. As. Trans. 1818, vol. vi. 33.
———— Pressure and moisture of. O'Shaughnessy's Bengal Dispensatory.
Atmospheric influence. Dr. Ainslie on. As. Jl. vols. i. 368; ii. 13; iii. 55. (See Meteorology, Climate, Barometer, &c.)
Auber's rise and progress of British power in India. Lond. 1837, 2 vols.—Analysis of the constitution of the East India Company. Lond. 1826, 1 vol.—Supplement to the Analysis. Lond. 1828, 1 vol.
Auckland, Lord, Governor General of India. Introduction of scientific conversations at Calcutta. Great advantages of. Bl. As. Trans. 1836, vol. v. 682.
Aureca, or betelnut palm; the palma gracculis; the most graceful and beautiful of all palms: its stem is perpendicular, straight, and of nearly uniform girth; it often attains an elevation of 60 feet, with a diameter of 5 feet at the bottom, and 4 feet at the top; abounds all over Western India. Culture of. Buchanan's Travels, vol. iii. 47—49.
———— Yields the betelnut of commerce, &c. Melbourne's Oriental Commerce. Lond. 1813, 2 vols. 4to.
Aurungzebe. Description of the tomb of, at Aurungabad, and the fortress of Dowlutabad. Lond. As. Trans. 1818, vol. v. 340.—Court and Camp of. Cal. Rev. 1849, No. xxiv.
Ava, capital of Burmah. Symes' embassy to. 1 vol. 4to.; republished Chambers' Miscellany. 12mo.
———— Death of the king of. As. Jl. vol. ix. 397.
———— Method of excavating precious stones in. Bl. As. Trans. 1832, vol. ii. 76.
Avatar of Vishnoo (Wilson's Vishnoo Puran). Abstract of translation of, from the Pudma Puran. E. C. Ravenshaw. Bl. As. Trans. 1842, vol. xi. 1112.
Avdall, James, M. A. S. On the laws and law books of the Armenians. Ibid, vol. x. 235.
Avesta: die Reiligen Schriften der Parsen (The Sacred Writings of the Parsees). Zend and Pehlivi version. F. Spiegel. Leipsic, 1851.
Ayeen Akbery, or the Institutes of Akbar. Abdul Fazel; translated by Gladwin. Lond. 1800, 2 vols.
Aylwin, a Liverpool merchant. Pamphlet on the salt trade of India. Lond. 1 vol.

B

Babington, Dr. Benjamin. Geology of the country betwixt Tellicherry and Madras. Lond. Geol. Trans. 1810; As. Jl. 1819, vol. vii. 646.—Memoir of. Lond. Geol. Trans. vol. v. 23, 29.

Baber's memoirs, translated by Dr. Leyden and Mr. Erskine. Lond. 1826, 1 vol.

Bacon, Lieut. First impressions from nature in Hindustan. Calcutta, 1830, 2 vols.

Bactrian numismatics, and discovery of the Bactrian alphabet, with additions. James Prinsep. Bl. As. Trans. 1838, vol. vii. 636.

——— coins. Description of, and deductions from a consideration of some new. Capt. A. Cunningham. Ibid, 1840, vol. ix. 867, 1217.

——————— H. H. Wilson's Ariana Antiqua. Lond. 1841, 1 vol. 4to.

——————— Prinsep's discoveries in Affghanistan. Lond. 1844, 8vo.—Calcutta Review on, 1851. (See Coins.)

——— Recent discoveries in Bactrian numismatology. H. T. Prinsep. Lond. 1844, 1 vol. 8vo.

Baddely, Dr. On the electric origin of dust-storms and whirlwinds. Bl. As. Trans. 1850, 390; 1851; 1852, 147, 264.

Baggage of the Indian army; a letter by Sir Charles Napier to Sir John Hobhouse. Lond. 1849.—Calcutta Review on. 1849, vol. xi. 445.—Reply to by Col. Burlton. Lond.—Rejoinder to, by Major McMurdo. Pamphlet.—Col. Burlton's letter on McMurdo's pamphlet.

Bahawulpore territory and town, on south bank of the Indus, opposite Mooltan. Description of. Masson's Journeys.

——— Notes of route from, to Seersa. Major Mackeson. Bl. As. Trans. 1844, vol. xiii. 305.

Baheran Island, Persian Gulf. Lieut. Whitelock on. Bom. Geo. Trans. vol. i. 49.

Bahmana, or Brahmanabad. Ancient city of. Lond. As. Trans. vol. i. 37, 232.

Baikie's (Dr. Robert) observations on the Neilgherry hills. Mad. Lit. Trans. vol. iv. 338.—Notes on the climate of Coorg. Ibid, 1836, vol. iv. part 2, 338.

Bajah. Caves of, near Carli, Western Ghauts. Account of. Bom. As. Trans. 1852, vol. i. 438.

Baker, Capt., Bengal Engineers. On the sub-Himalayan fossil remains in the Dadapur collection. Bl. As. Trans. 1836, vol. v. 291, 486, 579, 661, 739.—Strength and elasticity of Indian woods. As. Res. 1833, vol. xviii. part 2, 215; Gleanings in Science, 1829, vol. i. 113.—Account of Ulla Bund. Bom. Geo. Trans. 1844.—Meteorology of Kurrachee and Sukkur. Ibid, 186.—Levels taken between the Jumna and Sutlej rivers. Report on a line of. Bl. As. Trans. 1840, vol. ix. 688.

Balances for delicate weighing. Description of. Lieut. Braddock. Mad. Lit. Trans. vol. ii. 86.

Balfour's (Dr. E. G., Madras Service,) Diglutt (Hindustani and English) statistical map of the world. Madras, 1851.—Selections from the Persian and Hindustani poets. Madras, 1850.—On health of troops. Rep. Brit. Ass.—On cholera statistics of Madras, 1849.—Notes on the influence of trees on climate. Mad. Lit. Trans. vol. xv. 401.—On native education in Madras. Ibid, vol. xvi. 180.—Statistics of native soldiers discharged from the Madras army. Ibid, vol. xv. 554.—On the migratory tribes of India. Jameson's Edinburgh Journal, 1844; Bl. As. Trans. 1844.—On the Arabian press. (See Arabian.)

——— Dr. Francis, Bengal Service. On the Arabic poets. As. Res. vol. ii. 205.—On tides of the barometer, 1794. Ibid, vol. iv. 105.—On the effects of sol-lunar influence on fevers. Ibid, vol. viii. 1.—On the Persian and Arabic grammar. Ibid, 89.

Balkh and its neighbourhood. Account of city of, from Persian authorities. Dr. James Bird. Bom. Geo. Trans. vol. ii. 60.

Ballantyne, Dr. J. R. (Benares.) Translation of treatises on Hindoo philosophy.—Lecture on the Vedanta philosophy.—Lecture on the Sankhya philosophy.—Aphorisms of the Nyaya philosophy.—Lectures on the Nyaya philosophy.—Aphorisms of the Mimansa, part 1.—Aphorisms of the Yoga.—Each a separate work, in Sanskrit and English. Allahabad, 1849—1852.—Laghu Kaumudi (a Sanskrit grammar). Sanskrit and English, part 1. Mirzapore, 1849.—Synopsis of science (Sanskrit and English). 1 vol. Mirzapore, 1852.—First lines of Sanskrit grammar. Mirzapore, 1851.—Sketch of operations in Benares Sanskrit College.

Balmeer. Account of. Dr. Forbes. Bom. Geo. Trans. vol. ii. 60.

——— Climate, population and industry of. Ibid.

Balsam trees in Scinde. Dr. Stokes on. Bom. As. Trans. vol. ii. 391.

Bamean, a celebrated valley on the route from Cabool to Turkistan, the only known passage across the Himalayas, or the Hindoo Koosh ; practicable for artillery, or heavy carriages. Thornton's Gazetteer, vol. i. 68. Its vicinity is remarkable for some of the most extraordinary relics of antiquity.

Banda, district of, on the Jumna, N. W. Provinces. Report on. Edgeworth. Bl. As. Trans 1850, 89.

——— an island in the Japanese seas. Eruption of a volcano at. As. Jl. 1820, vol. xii. 488.

Bang, a powerful nercotic, used for the purpose of intoxication. Dr. O'Shaughnessy' experiments with, and other drugs. Bl. As. Trans. vol. viii. 839 ; Bengal Dispensatory. (See Ganjia and Hemp.)

Bangalore. Geology from Madras to Neilgherry hills. Dr. Benza. Mad. Lit. Trans. vol. iii. 1.

——— Account of station of. Welsh's Military Reminiscences, vol. ii. 7, 321 ; As. Jl. 1834, vol. xv.

——— Geology of. Dr. T. Clark. Mad. Lit. Trans. vol. ix. 89.

Banghanapilly Jageer. Glance at. Lieut. T. J. Newbold. Mad. Lit. Trans. vol. iii. 117.

Banoo, or Bunnoo, a plain S. W. of the Rala, or Salt Range, in Eastern Affghanistan, lat. 33° 15′ N., long 71° 10′ E. Thornton's Gazetteer, vol. i. 74.

Bara, a highly important river in Affghanistan, in the province of Peshawur. Thornton's Gazetteer, vol. i. 75.

Barbe, Revd. M. Account of the hill tribes in the interior of the district of Chittagong. Bl. As. Trans. 1845, vol. xiv. 380.

Barberry. On its colour, and uses in the arts. Lond. As. Trans. vol. vii. 74.

Bards, Indian. Memoirs of. Lond. As. Trans. vol. i. 137.

Barker, Lieut., I. N. Account of volcanoes in the Red Sea. Altitudes near Tadjoura groups. Bom. Geo. Trans. 1844.—On the islands of Mushakh, in Eastern Africa, when visited in 1840, with map of the Somali Coast. Lond. Geo. Trans. 1848, vol. viii.—On the eruption of the volcanoes of Saddle Island in 1846. Bom. Geo. Trans. 1847, 1849, 1851 ; Lond. Geo. Trans. 1846.—On the geographical and geological characters of tho Gulf of Tadjoura, with a chart. Lond. Geo. Trans. 1849.

——— Sir Robert. Account of the Brahmin astronomical observatory at Benares. Phil. Trans. 1777 ; As. Jl. 1818, vol. v. (Misprinted *Parker*, which see, p. 79.)

Bar Cherra (See Cherrapoonj, Volcanoes, Chittagong.)

Baroda to Udayapoor. Geology of country from. (See Hardie.)

Barometers. Excellent precautions of Capt. Gerrard, on the putting in use of. Account of, seen by, at 14·675 inches, 19,411 feet above the. Daily tides of. (See Preface to Manual, Balfour, Sykes, Prinsep, Buist, &c.)

——— Sources of error in measurements by, and supposed cause of. Capt. Shortrede on. Bl. As. Trans. 1843, vol. xiii. 235.

——— Description of a self-registering. Dr. W. Gilchrist, Madras Medical Service. Mad. Lit. Trans. vols. v. 26 ; vi. 60, 337 ; vii. 122.

——— New mountain. Capt. G. Underwood, Madras Engineers. Ibid, vol. v. 31.

——— Remarks on new mountain. T. G. Taylor, in charge Madras observatory. Ibid, vol. v. 306.

Barometric observations made in India, continuous hourly : at Bombay, Lucknow, and Trevandrum, from 1842 to 1852 ; Madras, 1841 to 1852 ; Simla and Singapore 1841 to 1845. Reports of these various observatories.

——— ——— Hourly four times a month, at Aden, from 1847 to 1851. Meteorological Reports of the Bombay Geographical Society.

——— ——— at Kurrachee, 1848. Ibid.

——— ——— at Dodabetta, 1845—1850. Reports.

——— ——— Barostices at Calcutta, 1830—1852. Bl. As. Trans. and newspapers.

——— ——— at Benares. Gleanings in Science.

——— ——— at Darjeeling, in March, April, and May 1836. Bl. As. Trans.

——— ——— at Hussingabad, 1849, 1850, 1851. Bom. Geo. Trans.

——— ——— at Mirzapore, 1851-52.

——— ——— at Futtehgurh.

——— ——— at Poona, 1829. Edin. Phil. Trans.

——— ——— at Mahabuleswur. Ibid.

——— ——— at Bangalore and Dadapur, 1835.

——— ——— at Calcutta, for one month hourly in 1794. Dr. Balfour. As. Res. vol. iv.

Barometric observations made at Subathoo, 4,000 feet, and so to the height of 10,000 feet, for the years 1817-18. As. Res.
———— at Benares, 1824. J. Prinsep. Phil. Trans.
———— Table of ranges for day, month, and year, at 25 stations in India. Bom. Geo. Trans. 1852, vol. x.; Rep. Brit. Ass. 1852.
Barr, Lieut. W. March from Delhi to Cabool and Peshawur. Lond. 1844.
Baramahal. Soda soils of. Capt. Campbell on. Cal. Jl. Nat. Hist. vol. iii. 25; Bom. Geo. Trans. vol. vi. 104. (See Soda and Oosoor.)
Barren island, an active volcano, Bay of Bengal. Colebrook's account of. As. Res. vol. iv.
——— Lyell on. Principles of Geology. (See Volcanoes.)
——— Account of. Dr. J. Adams. Bl. As. Trans. 1832, vol. iii. 128.
——— Active only during the rains. Capt. Miller's account of. Cal. Jl. Nat. Hist. vol. iii. 1843. (See Volcanoes.) In a state of violent activity in 1780; altitude 500 feet—erroneously set down at 1,800 in Encyclopædias.
——— Very active in July 1852. Bombay Times.
Barrow's voyage to Cochin-China. Lond. 4to.
Bartolomeo's voyage to the East Indies. Lond. 1800, 1 vol.
Barytes, sulphate of, found in veins in Eastern Ghauts and Kurnaul territory, 15° N. Newbold on. Mad. Lit. Trans. 1844, No. xxx. 218.
Basaltic (great) District of India. Dr. Malcolmson's account of. Lond. Geol. Trans. 1848. (See Malcolmson and Geology.)
Bassein, an old Portuguese city in Western India, near Bombay. Account of. Coutto's Decades, vii. cap. 13.—Translation. Communicated by Mr. Fletcher. Bom. As. Trans. vol. i. 34.
——— Account of. J. Vaupel. Desultory notes on Goozerat. Bom. Geo. Trans. 1844.
——— Account of. R. X. Murphy. Ibid, 134.
——— In 1678. Freyer's account of. Travels in India and Persia. (See Freyer.)
——— Encroachments of sea at. Bom. Geo. Trans. 1852.
Bat, of the genus Megaderma. Notice of the predatory and sanguivorous habits of the, with some remarks on the blood-sucking propensities of other vesportilionidæ. E. Blyth. Bl. As. Trans. 1842, vol. xi. 255.
——— On three Indian species of. Ibid, 1841, vol. x. 971.
——— Described as topazonus longimanus by Genl. Hardwicke. Descriptive notice of. E. Blyth. Bl. As. Trans. 1842, vol. xi. 784.
——— Extraordinary cave near Moulmein crowded with—issue out in the evening in a thick column, which extends unbroken for many miles. Calcutta Christian Observer, February 1807; reprinted As. Jl. 1832, vol. xxiv. 10.
Batten, J. H. Extract from the journal of Lieut. J. A. Weller, (executive engineer,) on a trip to the Bulcha and Oonta Dhoora Passes. Bl. As. Trans. 1843, vol. xii. 78.—Official reports on Kemaoon. Agra, 1851, 1 vol. 8vo. (See Kemaoon.)—Journal of Capt. Herbert's tour from Almorah in a NNW. and SW. direction, through parts of the province of Kemaoon and British Gurhwal, chiefly in the centre of the hills. Ibid, 1844, vol. xiii. 734.—A few notes on the subject of the Kemaoon and Rohilcund Terai. Ibid, 8.
Battas of Sumatra. Lieut. J. T. Newbold on the language of. Mad. Lit. Trans. vol. iv. 130.
Bayeri Historiæ Græcorum Bactrianæ Petropoli. 1734, 1 vol.
Beas, and the great rivers of the Punjaub. Thornton's Gazetteer, vol. i. 79.
Beaufort, F. L., Bengal Civil Service. Digest of the criminal law of the Bengal Presidency. Bengal, 1846.
Bedars of Southern Mahratta Country, Western India. Account of. Wilson's Evangelization of India, 313.
Beer-el-Somal, country of the Somalis, to the south of Cape Guardafui. Some account of, and its inhabitants. Lond. Geo. Trans.
Beejapore. Account of ruined city of. Dr. James Bird. Bom. As. Trans. 1844, vol. i. 367.
——— Capt. Siddon's account of. As. Res. vol. xviii. 432, 4th edn.
——— Col. Sykes on. Bom. Lit. Trans. vol. ii.
——— Great gun at. As. Jl. 1840, vol. xxxii. 84.
———— Dimensions of. Ibid, 1818, vol. vi. 245; 1834, vol. xvi.
——— Salt river Dhoon near. Rigby's account of. Bom. Geo. Trans. vol. vii. 120.
Beerbhoom. Copper, lead and iron ores found near. Government Reports, 1850; Bombay and Bengal newspapers. (See Copper.)

Begbie, Capt. History of the Madras Artillery. Lond. 1852.
Beiresa. Caves of, near Carli, Western Ghauts. Account of. Bom. As. Trans. vol. i. 483.
Bell, F. On statistics of India. Bl. As. Trans. vol. vi. 157.
Bell mountain, or Wadi Tor, peninsula of Sinai. Newbold. As. Trans. vol. vii. 78.
——— Explanation of. Ibid.
——— Sir John Herschell on. Ibid.
——— Reg Ruan, a similar mountain near Cabool. Sir A. Burnes. Ibid, 82 ; Bl. As. Trans. 1838.
Bellary. Works for irrigation at. Bom. Geo. Trans. vol. iv. 127.
——— Account of, in 1811. Capt. Sydenham, Madras service. As. Res. 1811, vol. xiii.
Benares. Geological remarks during march from, *viâ* Hazareebaugh, Baukoora, and Burdwan, to Barrackpore. Dr. J. Row. Bl. As. Trans. 1844, vol. xiii. 862.
——— Memoir regarding. As. Jl. 1819, vol. vii. 358.
——— Native observatory at. (See Barker, Observatory, and Astronomy.)
Benson. Descriptions of Indian land and fresh water shells. Bl. As. Trans. vols. i. 11, 411 ; iii. 450, 520, 608 ; iv. 781 ; vi. 211, 420.
Bendkar, a people of Keonjur. Notes on. Lieut. S. R. Tickell. Bl. As. Trans. 1842, vol. xi. 206.
Beni-Israel of Bombay. Account of. Wilson's Lands of the Bible, vol. ii. 667—677.
Bengal. Commerce and exchange of. (See Prinsep.)
Bengallee, the. Sketches of Society in the East. Calcutta, 1843—1848, 2 vols. 8vo.
——— language. Proposed substitution of, for Persian. Friend of India, 1848, 67.
Bennett. Ceylon and its capabilities. Lond. 1843, 1 vol.—Fishes of Ceylon, Lond. 1843, 1 vol.
Bentley. Hindoo astronomy. Lond. 1825, 1 vol. 4to.—Edinburgh Review on. (See Astronomy.)
Benza, Dr. P. M., Madras Medical Service. Notes on geology of country betwixt Madras and Neilgherries, *viâ* Bangalore. Mad. Lit. Trans. vol. iv. 1.—On the geology of the Neilgherry and Khoondah mountains. Ibid. 241.—Notes on the geology of the Northern Circars in 1835. Ibid, vol. v. 43.—Notice of. Ibid, vol. x. 440.
Beri-beri, a singularly fatal disease, beginning with swelling in the feet. Dr. J. G. Malcolmson, Madras Medical Service, on. Published by Madras Government, 1835.
——— amongst the marines in the *Palinurus*. Bom. Med. and Phys. Trans. vol. viii. 78.
——— Prize essay on. Dr. Malcolmson. Madras, pamphlet, 1835.
Bernier's travels in the Mogul empire. 1 vol. French original, English translation.
Bernouille, M. Description historique et geographique de l' Inde. Berlin, 1756. 3 tomes.
Beryl mines in Coimbatoor. Edin. Phil. Jl. vol. xxix. 241. (See Newbold.)
Beschi, Father C. J. Sketch of life and writings of, by A. Muthusami Pollei. Mad. Lit. Trans. vol. xi. 250.
Best, Capt., a distinguished officer, of the Madras Engineers. *Ob.* 1852. Account of the Guntoor famine of 1833. Mad. Lit. Trans. 1844.—Embankments of the Godavery. Blue Book, 1851. —On rain gauges, and the registration of river freshes. Mad. Lit. Trans. 1844, No. xxx. 178. Biographical notice of. Madras and Bombay papers, October 1851.
Betelnut. Cultivation and preservation of. Dr. F. Buchanan. Travels, vol. iii. 47. (See Aureca Palm, Cutt, Terra Japonica.)
Bettington, Albemarl, C. S. Account of Perim fossils. Lond. As. Trans. 1846.
Beyla. Lead and antimony ore found in mountains of. Major Boyd's account of. Bom. Geo. Trans. 1840, vol. iii. 204.
——— Report of copper near. Capt. Hart. Ibid, 1839, 91.
Bhalibipoora. Submerged city of, in Kattiwar, inland from Bhownuggur, covered with 18 feet of alluvium. Half the towns and villages around are built from the bricks and carved stones of the ancient city. Dr. Nicholson on. Bombay Times, February 1852.
Bhagavata Purana, par M. Burnouf. Sanskrit and English.
Bhagavad Gita, Sanskrit, Canarese and English. Bangalore, 1846, 4to.
——— Sanskrit and Latin. Schlegel and Lassen.
Bheels. Notice of people so called. Bom. Geo. Trans. vol. i. 176.
——— Account of. Sir John Malcolm. Central India, vol. i.
——— Account of. Dr. Wilson. Evangelization of India, 307.
Bhopal. Historical sketch of. As. Jl. vol. xiii.
Bhoodists, trans-Himalayan. Amulets in use by. W. E. Carte. Bl. As. Trans. 1840, vol. ix. 904.
——— coins or medals. Remarks on. Capt. T. Latter, 67th Bl. N. I. Ibid, 1844, vol. xiii. 571.
——— Traditions of migrations of, into Europe. Revd. B. Schmidt. Mad. Lit. Trans. vol. v. 229.

Bhoodist chronology. As. Jl. 1837, vol. xxlii. new series, part 1, 186. (See Buddha, and Hodgson.)

——— Mahawansa, or History of Ceylon, translated by the Hon'ble Mr. Turnour.

——— Papers by T. H. Colebrooke on. Lond. As. Trans.; reprinted in his miscellaneous essays.

——— Papers on. James Prinsep, and Col. Low. Lond. As. Trans.

——— Papers on. Professor H. H. Wilson. As. Res. vol. xvi.

——— Illustrations of literature and religion of. B. H. Hodgson, Bl. C. S., printed at Serampore, 1841. This work contains a reprint of fifteen valuable articles, which appeared at intervals in the organs of the different Asiatic Societies.

——— L'Histoire du Buddhisme Indien. E. Burnouf. Paris, 1844 and 1852. An abstract of this valuable work is given by Dr. Roer, in the ournal of the Bengal Asiatic Society for 1845.

——— Papers on. Ceylon As. Trans.

——— Paper on remains of, in India. W. Erskine. Bom. Lit. Trans. vol. iii.

——— Historical researches on the origin and principles of the Buddha and Jaina religions. Dr. James Bird. Bombay, 1847, folio.

——— On the rock-cut temples of India. James Fergusson. Lond. As. Trans.

——— Notes on ancient India. Col. Sykes. Lond. As. Trans. No. xii.

——— Memoir on the cave-temples and monasteries, and other ancient Buddhist, Brahminical, and Jaina remains of ancient India. Dr. Wilson. Bom. As. Trans. No. xiii.

——— Indische Alterthumskunde. Lassen. Now publishing at Bonn.

——— caves near Joonir. Inscriptions from the. Lond. As. Trans. vol. iv.

Bhuddism. History and doctrine of. E. Upham. Lond. 1829, 4to.

Bhuddistical works. Col. Sykes on a Chinese catalogue of.

Bhurtpore. Geology of. (See Hardie.)

Biddery ware. Account of manufacture of. Dr. Heyne. As. Jl. 1817, vol. iii. 220.

Bijapoor to Bellary, *via* Kannighirri. Notes, principally geological, from. Newbold. Bl. As. Trans. 1842, vol. xi. 941. (See Beejapore.)

Billa Soorgum caves. Osseous breccia, &c. in. (See Newbold.)

Bingham's narrative of the expedition to China. Lond. 1842, 2 vols.

Birch, Dr. Topographical report on the Neilgherries. Mad. Lit. Trans. 1838, vol. viii. part 1, 86.

Bird, Dr. James, Bombay Medical Service; Member of the Medical Board; Secretary to the Bombay Asiatic Society from 1844 to 1847. Analysis of the Murat-i-Ahmedi, a history of Goozerat. Lond. As. Trans. 1833, vol. i. 117.—Biographical sketch of. Capt. McMurdo. Ibid, 123.—Memoir on the country from Poona to Kittoor. Ibid, vol. ii. 65.—Account of the ruined city of Beejapore. Bom. As. Trans. vol. i. 367.—Translation of Cutic inscriptions from Southern Arabia. Ibid, 230.—Translation of inscriptions at Burra and Bajah. Ibid, 438.—Introductory notice to the history of Scinde. Ibid, 402.—Bibliographical notice of Arabic and Persian library at Cutch Bhooj. Ibid.—On Bactrian, Hindoo, and Roman coins in the Bombay collection. Ibid, 203.—Account of temple of Somnauth, from the Persian. Ibid, vol. ii. 13.—On the Christian faith in Arabia, and Himayaritic inscriptions from Aden and Saba. Ibid, 30.—Hindoo gold coins, and zodiac coins of Jehangeer. Ibid, 55.—On the Æthiopic family of languages in Eastern Africa. Ibid, 294.—Memoir of General Kennedy. Ibid, 417.—Historical geography of Hindustan, and on the origin of the social state among the Hindoos. Bl. As. Trans. 1840, vol. ix. 848.—Account of the city of Balkh and its neighbourhood, extracted from Persian authorities. Bom. Geo. Trans. vol. ii. 60.—Illustrations of the Arab and Persian geographers, or the geography of the Middle Ages. Ibid, 58.—Historical researches on the origin and principles of the Buddha and Jaina religions, with accounts of the caves of Western India. Bombay, 1847, 1 vol. folio.

Birds of Southern India. Dr. Jerdon on. Mad. Lit. Trans. 1839—1847.

——— of the Deccan. Colonel Sykes on.

——— General Hardwick's Illustrations of Indian zoology. Lond. folio.

——— Indian. Capt. Buckle's catalogue. Bl. As. Trans. 1833, vol. i. 201—213.

——— Tickel's catalogue of, in Borabhum and Dholbhum. Ibid, vol. ii. 569.

——— B. H. Hodgson on. Ibid, 1837, vol. vi. 101.

——— of Nepaul. B. H. Hodgson. Ibid, 1843, vol. xii. 127.

——— Blyth on new or little known species of. Ibid, 1847, vol. xvi. 117, 438.

——— nests of enormous size, probably those of the dinoris, on the coast of New Holland. Professor Hitchcock on. American Journal of Science, July 1844; Quart. Rev. October 1854; Edin. Phil. Jl. 1845, vol. xxxix. 203.

Birds' nests found at the upper extremity of the Red Sea. Burton on. Rep. Brit. Ass. in Lond. Athenæum, 1845, 443; Dr. Buist's journal of a journey overland. Bom. Times, August 1840.
——— gigantic, represented on an Egyptian tomb, 1200 B. C. Bonomi on. Rep. Brit. Ass. 1845, 63.
Bitter lakes on line of ancient canal betwixt the Nile and Red Sea. Newbold. Lond. As. Trans. vol. viii. 358.
——— Mrs. F. Corbeaux on. London Athenæum, 1851.
Black Act. Meeting at Calcutta against. Friend of India, 1850, Nos. 1, 06, 146, 161, 227, 331, 467; 1850, Nos. 17, 51.
——— Baboo Ram Gopall on. Ibid, 1850, 132; and the Mahomedan law, No. 194.
——— The Madras. Ibid, 531.
Black pepper. Cultivation of. Dr. F. Buchanan. Travels, vol. iii. 50.
Black lead. (See Plumbago.)
Black earth of Central Russia, remarkable for its fertility; covers above 60,000 geographical square miles, supporting 20,000,000 people; affords half a million of bushels of grain for exportation. Murchison considered it a sub-marine deposit. Lond. Geol. Trans. 1842, vol. iii. 712.—General Ross on. Ibid, vol. i. 557.—Ehrenberg considers it a debris of ancient forests. Ibid, vol. vii. 112; quoted Edin. Phil. Jl. 1851, 395.
Black, or cotton soil of India, extraordinary for permanence of fertility, yielding crops without manure for 1000 years. (See Reghur, Newbold.) Not decomposed trap, but a true alluvium, deposited from still water.
Blacker, Colonel, Quarter Master General, Bengal Army. History of the Mahratta war. 1817-19, 2 vols. 4to.—On meteorological instruments and observations. Bl. As. Traus. 1820.—On the height of the barometer at high latitudes. Ibid.—On the enormous number of ærolites within our atmosphere. Ibid.
Bluddugs, or mud volcanoes, in Java. Account of. As. Jl. 1816, vol. ii. 131.
Blunt, Capt. Route through the Goond country, from Chunargurh to the Northern Circars. As. Res. 1801, vol. vii. 57.
Blyth, E. B., Curator of the Museum of the Bengal Asiatic Society. Bl. As. Trans. vols. xiv.; xv. 1, 280.—Fauna Indiæ. Drafts for. Ibid, 345.—On three Indian species of bat. Ibid, 1841, vol. x. 971—New species of pica from the Himalayas. Ibid, 186.—Description of caprolagus, a new genus of leporine mammalia. Ibid, 247.—Supplement to the monograph of the Indian and Malayan species cuculidæ, or birds of the cuckoo family. Ibid, vol. xi. 898, 1095, *et seq.*; 1843, vol. xii. 240.—Notes on various Indian and Malayan birds. Ibid, 1842, vol. xi. 160.—On the bat of the genus megaderma. Predatory and sanguivorous habits of, with some remarks on the blood-sucking propensities of other vespertilionidæ. Ibid.—Monograph of a species of lynx. Ibid.—Bat described as topozous longimanus by General Hardwicke. Descriptive notices of. Ibid, 784.—On the leitrichane bird of the Sub-Himalayas, by H. B. Hodgson, with additions and annotations. A synopsis of the Indian pari, and of the Indian fringillidæ. Ibid, 1844, vol. xiii. 923.
Boa Constrictor. Habits of the. As. Jl. 1817, vol. iv. 564.
——— Indian Python Tigri. Hutton on habits of. Bl. As. Trans. 1837, vol. vi. 520.
——— Lord A. Hay on. Mad. Lit. Trans. vol. xiv. purt 2.
Boke, an extraordinary hollow, supposed volcanic, near Ahmedabad. Capt. Fulljames on. Bom. Geo. Trans. 1846, vol. vii. 164.
Bokhara. Singular climate of. Bl. As. Trans. vol. ii. 27.
——— City of. Ibid, vol. vii. 331.
——— Travels into. 1831—1833. Sir A. Burnes. Lond. 1834, 3 vols.
Bolan Pass. Notice of, by an officer of the Bengal Artillery. Lond. Geo. Trans. 1842, vol. xii. part 1, 189.
——— Fearful inundation at, in 1840. As. Jl.
——— Description of. Ibid, 1840, 259.
Bombay. Historical account of. Lond. 1781.
——— Geology of neighbourhood, and fossil frogs. Clark. Mad. Lit. Trans.—Dr. Thomson on. Ibid, vol. v. 159.—Dr. Buist on. Bom. Geo. Trans. 1852.—Dr. Carter on. Bom. As. Trans. 1852.
——— Meteorology of. Rep. Brit. Ass. 1845; Observatory Reports, 1842—1852.
——— Dr. Freyer's account of, in Account of East Indies and Persia, begun in 1672, and finished in 1681. Lond. 1697, folio.

Bombay. Notes on. Bombay Times, November 23, 1850.
——— Hamilton's account of the East Indies in 1680-90. Ibid, 1744. Edin. 1727, 2 vols. 8vo.; Pinkerton's Collection of Travels.
——— Dr. Ives' account of monsoon.
——— Commerce of. Milburn's Oriental Commerce. Lond.
——— dockyard, in 1777. A. Parsons, H. B. M. Consul at Scandaroon. Voyage to Bombay and the Malabar Coast. Lond. 1800.
——— in 1704. M. Carsten Niebuhr. Travels in Arabia; Lond. As. Trans.; Pinkerton's Collection of Travels.
——— Proceedings of religious societies of. Orient. Chris. Spec. 1830—1852.
——— Baldæus' description of the East Indies and Ceylon. Amsterdam, 1672; Lond. As. Trans. 1706. Engravings of the fort of, in 1679.
——— Remarks on the history of some of the oldest races now settled on. R. X. Murphy. Bom. Geo. Trans. vol. i. 128.
——— Report on the land tenures of. F. Warden. Ibid, 1840, vol. iii. 1.
——— Translation of the copy of the ancient record regarding the delivery of the fort and island of. Major Jervis. Ibid, 05.
——— Population of, in 1820. Bom. Geo. Trans. vol. iii. 72.
——— Description of. As. Jl. 1836, vol. xxvi.
——— Presidency. On the nature of the soils of the. Surgeon C. F. Collier. Bom. Geo. Trans. 1849-50, vol. ix. 99.
——— History of ship-building at. F. Money. Lond. 1800, 1 vol. 8vo.; Fitzclarence's Travels, Lond. 1838; Bombay Times, 1840, and 1848.
——— Reminiscences of the original building of the Cathedral—£5,000 sanctioned for. As. Jl. 1818, vol. v. 348.
——— Graham's list of plants found near. 1838, 1 vol. 8vo.
——— under seven administrations: 1810—1848. Bombay Times Almanac, 1853.
Bond of Servitude in Gorakhpur. Translation of a. D. Liston. Bl. As. Trans. 1837, vol. vi. 950.
Bootan. Mission to, and report on. (See Pemberton.)
——— Ground fish of (Bora Chung), found sometimes in jungles two miles from nearest water,—sometimes from 0 to 10 feet under surface; always in pairs; 3 to 4 lb., 2 feet long. Pearson. Bl. As. Trans. 1840, vol. viii. 552.
——————— Dr. A. Campbell states that they are never found out of water, or more than a very short distance from rivers, lakes, or pools; occupy the holes of the land crab, or other animal. Ibid, 1842, vol. xi. 903.
Borax, a natural product in the lake Hundees, Nepaul. As. Res. vol. xvii. Called Tincal.
Boukephalon, a Greek city on the Indus. Supposed site of. Abbott. Bl. As. Trans. 1852.
Bore in the Gulf of Cambay. (See Ethersey and Jervis.)
Borium. Process for extracting, from borax. Lond. As. Trans. 1817, vol. iii. 67.
——— in the Hooghly. Gleanings in Science, 1829, vol. i. 202.
Boring for water at Calcutta, betwixt 1801 and 1830—greatest depth 170 feet. List of experiments on. Reports Bl. As. Soc.; As. Jl. 1831, vol. xii. 1, 214.
——————— Conclusion of boring operations, 1837—380 feet. Bl. As. Trans. 1837, vol. vi. 408.
——— at Gogo, 1836, to the depth of 335 feet. Capt. Fulljames' account of. Ibid, 780.
——— in Cutch, 200 feet. Capt. Grant. Geology of Cutch. Lond. Geol. Trans. 1838.
——————— List of strata penetrated. As. Jl. 1835, vol. xvi. 160.
——— at Madras. Newbold's account of. Lond. As. Trans. 1846.
Botanico-agricultural account of the Protected Sikh States. Note to. M. P. Edgeworth. Bl. As. Trans. 1842, vol. xi. 26.
Botany, Indian. Roxburgh's flora Indica. Edited by Dr. Carey. 2 vols. 8vo.
——————— Plants of the Coromandel Coast. 3 vols. 8vo.
——————— Wight's contributions to the botany of India. Lond. 1 vol. 8vo.
——————— Icones plantarum Indiæ Orientalis. 1 vol. 4to.
——————— Wight's and Arnott's Prodrumus floræ Peninsulæ Indiæ Orientalis. 1 vol. 8vo.
——————— Wallich's plantæ Asiaticæ rariores; or description and figures of a select number of unpublished Indian plants. 3 vols. folio.
——————— Graham's catalogue of plants growing in Bombay and its vicinity. 1 vol. 8vo.
——————— Piddington's catalogue of Indian plants. 1 vol. 8vo.

Botany, Indian. Roxburgh's geographical description of the flora of India. Rep. Brit. Ass. 1840, 74.

———— Illustrations of the botany of the Himalaya mountains. Lond. 1839, 1 vol. folio.

———— of Scinde. Vicary on. Bl. As. Trans.

———— Edgeworth on, of Aden. Bl. As. Trans. 1840, vol. xvi. 1211.

———— Hooker's flora of Sikkim, and the Western Himalayas. Lond. 1850.

———— Notes, chiefly botanical, on the confines of Sikkim and Nepaul. Dr. Hooker. Bl. As. Trans. 1849, vol. xvii. 420.

———— of Assam and the Cassia hills. Griffiths. Notice of. As. Jl. 1837, vol. xxiii.

———— of India. (See Roxburgh, Arnott, Wight, Wallich, Royle, Masson, Grahame, &c.)

Bopp, F. Vergleichende Grammatik, &c. ; *i. e.* Comparative Grammar of Indo-European Languages. Translated by Professor Eastwick. 3 vols.

Boulder formation—to be looked for in India. Peculiarities of. Newbold. Bl. As. Trans. 1845, vol. xiv. 217.

Bowler, Col. Description of some remarkable Palmyra trees in the Northern Concan. Mad. Lit. Trans. vol. xiii. 114.

Braddock, Lieut. Description of balances for delicate weighing. Mad. Lit. Trans. vol. ii. 80.—On assay of silver. Ibid, vol. iii. 72.—On the induration of chunam. Ibid, 97.—On chemical tests. Ibid, vol. x. 270.—On the sculptures at the seven Pagodas. Ibid, vol. xiii. 1.

Bradley, Dr. W. H. Statistical memoir on Circar Dowlutabad. Mad. Lit. Trans. vol. xvi. 481.—Statistical memoir on the Circar of Pytun. Ibid, 235.—Meteorology of Ellichpoor. Bom. Geo. Trans. 1844—1846, vol. vii. 107.—Desultory observations on the Ghond tribes, with a vocabulary of the language spoken by them. Ibid, 209.—Some account of the topography of Chikuldah. Ibid.

Briggs, H. G. Cities of Gujarashtra. Bombay, 1849, 4to.—On the Parsees. Bombay, 1852, 1 vol. 8vo.

———— General. Letters on India. Lond. 1828, 1 vol.—Mahomedan power in India. Translation of Ferishta. Lond. 1829, 4 vols.—A short account of the Sheilly family. Lond. As. Trans. vol. vi. 77.—Description of a Persian painting. Ibid, vol. v. 314.—Extract from his work on the land-tax of India. Ibid, vol. i. 292.

Brine. On the spontaneous heating of. G. A. Prinsep. Lond. As. Trans. 1838, vol. vii. 1814.

Broach zillah. Memoir of. Williams' History of the Bengal Army.

Brockhaus. Vendidad. Leipsig, 1850.—Samadevi Bhatta, 1843.

Broome, Capt. A., and Cunningham, Lieut. Abstract of journal of routes to the sources of the Punjaub rivers. Bl. As. Trans. 1842, vol. x. 1.

Brown, C. P. Essay on the language and literature of the Telugus. Mad. Lit. Trans. vol. x. 43, 300. —On the creed, customs, and literature of the Jangams. Ibid, xi. 143.—Notice of some Roman Catholic books in the Telugu language. Ibid, vol. xii. 271.—On the names in the Hindoo zodiac. Ibid, vol. xiv. 151.

———— Account of Malabar under Hyder and Tippoo. As. Jl. 1818, vol. vi. 38.

———— Major James, Bengal Army. History of the origin and progress of the Seikh army. Lond. 1788.

Broughton. Specimens of Hindoo popular poetry reviewed. As. Jl. 1816, vol. i. 272.

Bruce, the Abyssinian traveller. Account of Aden and the Red Sea. Travels ; Reports of the Royal Geographical Society, 1850.

———— John. Annals of the East India Company, from 1600 to 1786. Lond. 1810, 3 vols. 4to.

———— Dr. On the manufacture of tea in Assam. Bl. As. Trans. vol. viii. 406.

———— W., C. S. On cow-pox in Persia. Letter to W. Erskine. As. Jl. 1819, vol. vii. 046.

Buchanan, Revd. C. Researches in Asia. 1811.

———— (afterwards Hamilton's) Account of Nepaul. Edinburgh, 1819, 1 vol.—Travels through Mysore, Canara, and Malabar. Lond. 1807, 3 vols.—Geographical and statistical description of Dinapore. Calcutta, 1833, 1 vol.—Fishes of the Ganges. Edin. 1822.—Statistical account of Dinajpur. Calcutta : published as an appendix to the Gleanings in Science.

Buckle, Capt. E. History of the Bengal Artillery. Lond. 1849, 8vo.

Budagars, one of the aboriginal tribes of the Neilgherries. (See Liston, Wight, &c.)

Buddinals. Account of, of Central India. Chronology by the Hon'ble G. Turnour, Ceylon C. S. Bl. As. Trans. 1836, 521.

Buddha, or Sakya Gautama. Sketch of life of. Bom. As. Trans. 1851, vol. vi. 119.

———— and Jaina religions. Researches on. Dr. James Bird. Bombay, 1847, 1 vol.

Buddha and Jaina worship. Principal objects of. Lond. As. Trans. vol. ii. 310.
———— predominant throughout India. Ibid, vol. vi. 251, 256, 334.
———— emblems. Ibid, 451.
———— Catalogue of Chinese Buddhistical works. Outzlaff. Sykes on. Lond. As. Trans. 1847.

Buddhisme Indien. Histoire du, par Eugene Burnouf. Paris, 1844 and 1852, 2 vols. 4to.
——— Gleanings in, or traditions from a Siamese Pali work. Col. Low on. Bl. As. Trans. 1848, vol. xvi. 72.
——— Contending claims to antiquity betwixt Buddhists and Brahmans. Col. Low on. Ibid, 1849, vol. xviii. 89.
——— Progress of, eastward. Newbold on. Mad. Lit. Trans. 1837, vol. vi. 1.

Buist, Dr. G. Report of meteorological observations at Bombay in 1842—1844. 1 vol.—On the saltness of the Red Sea. Bom. Geo. Trans. vol. ix. 39.—Catalogue of remarkable hail-storms in India. Ibid, 184; Rep. Brit. Ass. 1850.—Notice of remarkable meteors in India. Bom. Geo. Trans. vol. ix. 197; Rep. Brit. Ass. 1849—1852.—Outlines of the operations of the British troops in Scinde and Affghanistan. Bombay, 1843, 1 vol. 8vo.—Annals of India for 1848-49. Bombay, 1849, 1 vol. 8vo.—On floods in India, in 1849. Edin. Phil. Jl. (Jameson's) 1851, vol. li. 52.—On the incrustations of steam pipes and boilers in marine engines—occasional deposits of electrotype copper. Bl. As. Trans. 1850.—On the evidence of the general upheaval and depression around the sea shores of India and Northern Europe. Ibid, 1851; Edin. Phil. Jl. 1851; Bom. Geo. Trans. Reports, 1850-51; Rep. Brit. Ass. 1851; Geology of Perthshire, prize essay of the Highland Society, 1838; (See Lyell's Principles of Geology, 4th and subsequent editions;) Reports of the Fifeshire Literary Society; London Naturalist 1839.—On the aneroid as a survey instrument in India. Lond. Geo. Trans. 1851.—On the visible appearance of the seasons in western India, without reference to instrumental observation. Rep. Brit. Ass. 1851.—Desultory remarks on the Oriental sculptures on the Runic stones of Scotland. Bom. As. Trans. vol. ii. 43; Bl. As. Trans. 1851.—On gates, and wire fences for gardens and compounds in India. Bom. Agri. Trans. 1842.—On cheap form of thrashing mill employed in England, and well suited for India. Ibid.—On the various methods of grafting young and full grown trees. Ibid, 1849—1852; Bombay Times, November 1849.—On arcades in the vicinity of hospitals, for the use of convalescents. Ind. Jl. of Med. Sc. 1845, 725.—On the various forms of windmills in use in Europe and Egypt, with water-raising machines made use of in the East, with numerous illustrations. Bombay, 1848, folio.—On the connection betwixt Oriental and Scandinavian antiquities. Bl. As. Trans. 1852.—On the volcanoes, volcanic phenomena, hot springs, &c. betwixt the line and 32° N. Bom. Geo. Trans. 1852, vol. x.—On the geology of Bombay and the adjoining islands. Ibid.

Bundehesh of the Parsees, (Pehlivi,) edited by Professor Westergaard. Copenhagen, 1851.

Bunder Abbas, port at the mouth of the Persian Gulf. Whitelock on. Bom. Geo. Trans. vol. i. 118.
———— Dr. Winchester's account of. Corbyn's India Review, 1839.
———— Notes on plants in Persian Gulf. Ibid.

Bunder-gang robberies, a most extraordinary system of plunder, prevalent in Bombay. Bombay Times.

Burn, A. On the cotton called nurma, in Goozerat. Bl. As. Trans. 1842, 290.

Burnes, Sir A., a distinguished Officer of the Bombay Army; entered the service in 1822, murdered at Cabool in 1841; was early conspicuous for his zeal and ability as a linguist, statist, and general observer. Travelled alone from Bombay through Scinde, the Punjaub, and Bokhara to the Caspian Sea, returning by the Persian Gulf, betwixt 1831 and 1833. Was despatched on a mission to Cabool in 1837; Assistant to the Envoy from 1838 to 1842; brother to Dr. James Burnes. Notice of hospital for animals at Surat. As. Jl. vol. i. 96.—On the colossal images in Bameean. Bl. As. Trans. 1833, vol. ii. 563.—Travels into Bokhara. Lond. 1834, 3 vols.—On female infanticide in Cutch. Lond. As. Trans. 1834, vol. i. 193.—Cabool in 1837 and 1838. Lond. 1842, 1 vol.—Notice of Scinde. Lond. Geo. Trans. 1837, vol. viii. 2.—Observations on the maritime communications of India, as carried on by the Natives. Ibid, 1836, vol. vi. 2.—On the ruins of Puttun Somnauth. Lond. As. Trans. vol. v. 104.—Memoir of life of. Bombay Times, December 1841; As. Jl. 1842.—Suppressed despatches of. Dr. Buist's Narrative of Affghanistan. Bombay 1843.
——— Dr. James, K. H., Bombay Medical Service; retired as Physician General 1850; Assistant Resident, Cutch; Secretary Medical Board. Visit to the Court of Scinde, with sketch of the history of Cutch. 1839, 1 vol. 12mo.—Memoir of. Calcutta, 1840, and Lond. 1851.

Burning of ships. History of. Bombay Times, June 30, 1849.
——— Capt. Biden on, during last half century. Madras Athenæum, July 1851.
——— Report of Calcutta Committee on. Calcutta papers, November 24 to 30, 1851.
——— Practice seems to have prevailed for seventy years. Bombay Times.
Burnouf, E. Commentaire sur l'Yacna.—Le Bhagavata Puran.—Histoire du Buddhisme Indien.—Sur le Pali, &c.—Etudes sur les textes Zendes. Journal Asiatique de Paris, 1842, &c.
Burke. On the salt trade of Bombay and Scinde. Pamphlet, Lond. 1848.
Burmese. Astronomy of. As. Res. vol. iii. 168, 188.
——— Empire. Description of. Dr. Tandy. Rome, 1833.
——— priest of Buddha. Description of ordination of. Dr. G. Knox, Madras Medical Service. Mad. Lit. Trans. vol. i. 25.
Burr, F. On the auriferous deposits of India. Ibid, vol. xii. 30.—On the geology of Aden. (See Aden.)
Burton, Lieut. R. F., Bombay Army. Goa and the Blue Mountains. Description of. Lond. 1851. 1 vol.—Scinde, or the Unhappy Valley. Lond. 1851, 2 vols.—Scinde, and the races that inhabit the Valley of the Indus. Lond. 1851, 1 vol.
——— James. Discovery, in 1821-23, of three birds' nests of enormous size in the desert on the Egyptian shore of the Gulf of Suez, one of them containing the thorax of a man, and a silver watch. Rep. Brit. Ass. in Lond. Athenæum, 1845, 443 ; Bombay Times, August 1846.
Buried towns and villages in India. Himalayas. (See Smith.) Bl. As. Trans. 1844, Rep. 127.
——— Oodepore. Malcolm's Central India, vol. i. 15.
——— Doab. Cautley on. Bl. As. Trans. 1833; As. Jl. 1834, vol. xiv. (See Cities.)
Butter, Dr. D., Bengal Medical Service. Topography and statistics of Oudh. Calcutta, 1839, 1 vol. 8vo.—On public health in India—planting of trees along the Himalayas. Bl. Med. and Phys. Trans., Calcutta Government Gazette, and As. Jl. 1828.—Theory of production of ærolites. Rep. Bl. As. Soc., Calcutta Government Gazette, and As. Jl. 1829, vol. xxvii.—On the preparation of opium for the Chinese market in the Behar and Benares agencies. Bl. As. Trans. 1836, vol. v. 165.

C

Cabool, and Bokhara. Report on the weights, measures and coins of. Nowrojee Furdoonjee. Bl. As. Trans. 1838, vol. vii. 892.
——— Russian commodities imported into. Ibid.
——— Account of kingdom of, and its dependencies in Persia, Tartary, and India. Hon'ble Mountstuart Elphinstone. Lond. 1815, 2 vols.
——— Military operations at, in 1842, and Peshawur, Lieut. Vincent Eyre. Lond. 1843, 8vo.
——— Topography of. Dr. Robertson. Cal. Jl. Nat. Hist. vol. ii.
——— March from Delhi to. Lieut. W. Barr. Lond. 1846.
——— in 1837-38. Sir Alexander Burnes. Lond. 1842.
Cabool. Description of. Burnes' Travels to Bokhara. Lond. 1834, 3 vols.
——— Politics, commerce and trade of. Dr. James Burnes' Visit to the Court of Scinde.
Calatropis procura, or Mudar. Observations on, with remarks on medical properties of natural order Asclepeadæ. R. Wight, M.D. Mad. Lit. Trans. vol. ii. 70.
Calcutta. Population and mortality in. Bl. As. Trans. 1838, vol. vi. 888.
——— History of settlement of. As. Jl. 1817, vol. iv. 570.
——— Medical topography and climate of. Report on, with notices of prevalent diseases. Dr. Martin. Friend of India, 1840, 130, 149.
——— Topography and vital statistics of. Dr. P. F. Strang. Pamphlet, 1837.
——— Trade of, during the years 1849 and 1850. Ibid, 575.
——— Mortality of. Sykes. Rep. Brit. Ass. 1844, vol. xiii.
——— Salt-water lakes of. Gleanings in Science, vol. ii. 203. Eighteen square miles of surface.—Recommendation to fill up by warping. Ibid.
——— Sanitary condition of. Cal. Rev. No. x.
——— Review, published quarterly, commenced in 1844.

Caldecott, John, Astronomer, Trevandrum. Description of observatory built at Trevandrum by the Rajah of Travancore, in 1837. Mad. Lit. Trans. 1839, vol. vi. 56.—Horary meteorological observations at Trevandrum. Ibid.—Memoir of. Bombay Times, January 2, 1850.
Calder. Observations on the geology of India. As. Res. 1833, vol. xviii. I.
Calicut. Account of port of. Edye. Lond. As. Trans. vol. ii. 336.
Cambay. Town and bay of. Letter from the Revd. Dr. Lloyd to Sir A. Johnstone.
——— Polishing cornelians at. Bom. As. Trans. vol. iii. 67, 68, 80.
——— Account of, in 1503, by Lewes Uertomenes, a learned gentleman of Rome. As. Jl. 1824, vol. xviii. "In this region is also a mountain where the onyx stone, commonly called the cornelian, is found; and, not far from this, another, where chalcedony and diamond are found." Captain Hamilton, who visited Cambay in 1681, says :—"The cornelian and agate stones are found in this river, and nowhere else in the world. Of cornelian they make stones for signets, and of the agates cabinets entire, except the lids. I have seen some 14 or 15 inches long, and 8 or 9 inches deep, valued at £40. They also make bowls of some kinds of agate, and spoons, and handles of swords, daggers and knives, and buttons, and stone seats, and snuff-boxes, of great value." Hamilton's new Account of the East Indies. Lond. 1744.
——— Dr. Lush on Jain temples at. Bl. As. Trans. 1836.
——— Mr. Copeland on. Bom. Lit. Trans. and Coal Committee's Report, 1838.
——— stones. Captain Fulljames' account of. Bom. Geo. Trans. 1839.
——— ——— Summers' account of. Bom. As. Trans. vol. iv.
——— ——— Brigg's account of. Cities of Gujarashtra. 4to. Bombay, 1849.
——— ——— Trade in. Custom-house Reports, 1847. (See Cornelian.)
——— ——— Illustrated catalogue of the Exhibition of 1851. I vol.
Orlebar's notes on geology of Goozerat. Bom. As. Trans. vol. i. 101.
Camels of Scinde. Account of. Capt. James McMurdo. Lond. As. Trans. vol. i. 230.
——— draught, applied to carriage. As. Jl. 1840, vol. xxxii. 34.
Campbell, A., Esq., M. D., Bengal Medical Service. Itinerary from Phari, in Thibet, to Lassa, with appendices. Routes from Darjeeling to Phari. Bl. As. Trans. 1848, vol. xvii. 257.—Report of the death of Cosmos de Keros, the Thibetan scholar. Ibid, 1842, vol. xi. 303.—The literature and origin of certain hill tribes in Sikkim. Ibid, 4.—Memorandum on the Bora Chung of Bootan. Ibid, 663.—On the native alum, or saltigit, of Nepaul. Ibid, vol. ii. 482.—On the inhabitants of Sikkim, and their language. Ibid, vol. ix. 379.—Limboos of Sikkim and other hills. Ibid.
——— A. D. On slavery in Southern India. Mad. Lit. Trans. vol. i. 243.—On state of native education in Southern India. Ibid, 350.
——— George, Bengal Civil Service. Modern India. Lond. 1852.—Calcutta Review on. No. xxxiv.
——— Lieut. J., Assistant Surveyor General. On the use of Sir Howard Douglas' reflecting semicircle. Mad. Lit. Trans. vol. iv. 319.—On the use of Kater's altitude and azimuth instrument. Ibid, vol. vi. 137.—Suggestion of a tide register. Ibid, 300.—Table of specific gravities of aqueous vapour, and dry and saturated air. Ibid, vol. vii. 120.—Meteorological journal of Royacottah. Ibid, 418.—On the advancement of geological science in India. Ibid, vol. ix. 78.—On the construction of the portable barometer. Ibid, vol. xii. 261.—On the formation of the table-land of Southern India. Cal. Jl. Nat. Hist. 1842, vol. ii. 310. General level 3,000 feet ; flat tops of hills 3,500 and 4,500 feet.—Plain of Baramahal, 2,000 feet above the level of the sea. Soda soils of. Cal. Jl. Nat. Hist. vol. iii. 25 ; Bom. Geo. Trans. vol. vii.—Manufacture of steel and satin. Cal. Jl. Nat. Hist. vol. i. 218.—On the manufacture of steel in Southern India. Ibid, vol. iii. 25.—Improvement of the silk manufactured in Mysore and the Salem districts. Ibid, 218.—Report on the Kaolin earth of Mysore.—Bl. As. Trans. 1844, vol. x. 163.—Report on the construction of philosophical instruments in India. Ibid, 1842, vol. xi. 293.—On the manufacture of pottery-ware in Southern India. Cal. Jl. Nat. Hist. 1842.—Meteorological experiments at the Goomsoor mountains. Mad. Lit. Trans. 1837, vol. vi. 295.—Journey overland to India. Ibid, vol. i.—On estimating the distances of objects of known height at sea. Ibid, vol. iii. 57.
Cambogia Gutta. Remarks on. R. Wight, M.D. Mad. Lit. Trans. vol. ix. 121.
Camphor. Extracted from various trees, chiefly in Sumatra and Japan ; introduced into Europe about the sixth century. Wood cut into billets, and boiled in water in iron pots with earthenware heads, filled with straw, in which the volatilized camphor is condensed and collected. O'Shaughnessy's Bengal Dispensatory, 546.

Camphor tree of Sumatra. McDonald. As. Res. vol. iv.

———— ———— Colebrooke on. Ibid, vol. xii.

———— Manner of procuring oil from. Lond. As. Trans. vol. ii. 45.

Canals of irrigation in the North West Provinces. Cal. Rev. 1849, No. xxiii. (See Irrigation.)

Canara, Mysore and Malabar. Journey through. Dr. F. Buchanan. Lond. 1807, 3 vols.

———— Forests in. Lond. As. Trans. vol. ii. 344.

Candahar, a large city, capital of Western Affghanistan. Route betwixt and Dhera Ghazee Khan. Major Leech. Bl. As. Trans. 1844, vol. xiii. 550.

———— Notes on the ornithology of. Capt. T. Hutton. Ibid, 1847, 775 ; 1845, vol. xiv. 340.

———— Narrative of a journey from, to Shikarpore. C. Masson. Bom. Geo. Trans. 1840, vol. v. 66.

Canouj, in the province of Agra ; a celebrated Hindoo city, said to have existed 1000 B. C. Is asserted to have contained 30,000 shops for betelnuts. As Jl. 1817, vol. iv. 545.

Cantor, Dr. T. Notes respecting Indian fishes. Lond. As. Trans. vol. v. 165.—Notice of skull of a gigantic batrachyan. Bl. As. Trans. 1837, vol. vi. 538.—Catalogue of Malayan reptiles. Ibid, vol. xvi. 607, 897, 1026.—Catalogue of Malayan fishes. Ibid, vol. xviii. 983 —On hamadrayas, or new genus of hooded snakes. As. Res. ; Lond. Zool. Trans. 1838, 172.—Spicilegium serpentum Indicorum. Lond. Zool. Trans. 1839, 31, 39.—On production of isinglass from Indian fishes. Ibid, 115.

Caoutchouc. Preparation of. Lond. As. Trans. vol. xii. 9.

Carey, Dr. W., a celebrated missionary at Serampore. State of agriculture in Dinajpore. As. Res. vol. x. 1.—Geographical notices of Serampore. As. Jl. 1835, vol. ii. 55.

Carless, Captain, I. N. Survey of the mouths of the Indus. Bom. Geo. Trans. vol. i. 275.—Account of a travelling species of alligator near Kurrachee. Ibid, 363.—Visit to Beylah. Ibid, 304.—Memoir on the Gulf of Akaba. Ibid, 172.—Evaporation in the Red Sea. Ibid.—State of the Kakewarree mouth of the river Indus. Ibid, 876.—Account of hot springs at Peer Moggun, near Kurrachee. Bom. Geo. Trans. 1840, 16.—Remarks on the course of the hurricane which occurred on the Malabar Coast in April 1847. Ibid, 1849, vol. viii. part 1, 76.—Memoir to accompany the survey of the delta of the Indus. Ibid, part 3, 328.—Account of the inscriptions on the rocks of Shren Waj, near Jedda, Red Sea. Bom. As. Trans. vol. ii. 273.

Carnatic. Principal political events in. Colonel McKenzie. Bl. As. Trans. 1844, vol. xiii. 42, 578.

Carter, H. J. Anatomy of the Mosquito. Bom. As. Trans. 1844.—On the ruined city of El-Balad, in Arabia. Bom. Geo. Trans. 1846, vol. vii. 236.—On the freshwater sponges of Bombay. Bom. As. Trans. 1849, vol. iii. 29.—On foraminifera, recent and fossil, in Arabia, Scinde, Cutch, and Kattywar. Ibid, 173.—Notes on the Ghara tribe on the S. Coast of Arabia. Ibid, 145, 195.—Geographical description of the S. E. Coast of Arabia. Ibid, 1851, vol. iv. 224.—Notes on the Mahrah tribe of S. Arabia. Ibid, 1847, 339.—Description of the frankincense tree of Arabia. Ibid, 380.—On the colouring matter of the salt-pans of Bombay. Ibid, 1850, vol. iii. 32.—Geological memoir of the igneous rocks of Muscat. Ibid, 1838.—Geology of the S. E. Coast of Arabia. Ibid, vol. iv.—Geology of Bombay. Ibid, 1852, vol. v.—Report on copper ore from the island of Maseera, and lithographic limestone from the S. E. Coast of Arabia. Ibid, vol. ii. 400.—Geological observations on Scinde, near Hydrabad. Ibid, vol. ii. 40.—Animality of the freshwater sponge. Bom. Med. and Phys. Trans. No. viii.—On intermittent fever among the troops in Scinde in 1843. Ibid.—Beri-beri in the marines of the Indian Navy. Ibid —Case of poisoning by opium. Ibid, No. ix.—Medical history of the Central Schools from 1847 to 1852, with observations on the treatment of fever, eruptions, and dysentery. Ibid, No. xi.

Carte, W. E. Amulets in use by the Trans-Himalayan Bhoodists. Notice of. Bl. As. Trans. 1840, vol. ix. 904.

Cashmeer, a province, formerly Persian, under the dominion of the Chief of Jummoo, on the N. W. frontier of the Punjaub ; famous for its shawls and fine silks, moslin and embroidered work. Conquest of, by Runjeet Singh. As. Jl. vol. x. 194.

———— language. Grammar of. Major R. Hoish, C. B. Bl. As. Trans. vol. xiii. 553.

———— According to Captain Wilford, derives its name from the Chasas. As. Res. vols. vi. 456 ; viii. 296.

———— Hindoo history of. Ibid, vol. xv. 1.

———— Native historians of. Ibid, 3.

———— Mahomedan historians of. Ibid, 5.

———— Kingdom of, originally a vast lake. Ibid, 8 ; App. No. 1, 93.

Cashmeer. List of early kings of. As. Res. vol. xv.
——— Chronological tables of kings of. Ibid, 81.
——— Remarks on the history and chronology of. Ibid, 82; Cal. Rev. 1844, No. iv.
——— Famine in. As. Res. vol. xv. 32, 82.
——— Buddha schism early known in. Ibid, 83; present existence of, 110.
——— On the ancient names of, in classical writers. Ibid, 115.
——— Travels in, and the Punjaub. Baron Hugel. Cal. Rev. 1845.
——— in the olden time. Ibid, No. xxvii.
——— Catalogue of Oriental MSS. (See Wilson.)

Cassia hills, west of Sylhet, betwixt parallels of 25° 8′ and 25° 52′. Geology of. Gleanings in Science, vol. i. 252. (See Kassia, Cherrapoonj, Yule.)

Cassia Burmanni. Notice of, with remarks on the materia medica of India. R. Wight, M.D. Mad. Lit. Trans. vol. vi. 71.

Caste. Calcutta Review on. No. xxix.

Cataracts, principal in India. Near Simoree, in Rohilcund. Description of. As. Jl. vol. xi. 47.
——— of Gowcack, on the Gulbarra. Ibid, 1820, vol. x. 432; Lond. As. Trans. vol. ii. 70.
——— on the Gairsuppa. Dr. Wilson. Edin. Phil. Jl. Top of fall to surface of basin 888 feet, depth of basin 300 feet—1188 feet; from 300 to 600 feet across during the rains. Newbold. Bl. As. Trans. 1845, vol. xiv. 421.
——— Yena, Mahabuleshwar, 600 feet; Cauvery, 300 feet. Newbold. Ibid.
——— of Suboonreka, Chota Nagpore, and Hurroree Ghog—the falls 15, 20, and 400 feet respectively; about 500 feet across crest. Corbyn's India Review, 1840, 716.

Catechu, Terra Japonica; drug extracted from the roots and leaves of the mimosa catechu: tannic acid 54, extractive 34, mucillage 6, earthy matter 5; much used in medicine. (See Heyne, Royle, F. Buchanan, O'Shaughnessy, &c.) Mode of manufacture. Heyne. Travels in India, 184; Bl. As. Trans. vol. vii. 108; O'Shaughnessy's Bengal Dispensatory.

Cautley, Lieut. Col. P. T., Bengal Artillery; reached India in 1819; served in Oudh against refractory Zemindars in 1820-21; appointed to the canal department N. W. P. in 1825; at the siege of Bhurtpore in 1825-26; has continued in the canal department ever since his appointment in 1825, having been re-appointed on his arrival from furlough in 1847-48; has, in conjunction with Dr. Falconer, been much engaged in fossil discoveries in the Sevallick hills, a large collection of which (fossils) he presented to the British Museum; projector and designer of the Ganges canal, its alignment and its works. On a submerged city twenty feet under ground, near Behut, in the Doab. Bl. As. Trans. 1834, vol. iii. 43; Ibid, 1844, 127.—On fossil quadrumana. Ibid, vol. vi. 351.—Use of wells, &c. in foundations, as practised in the Northern Doab. Ibid, vol. viii. 327.—Structure of the Sevallick hills. Lond. Geol. Trans. 1840, vol. v. part 2, 267.—Notice of a fossil monkey from the Sevallick hills. Ibid, part 3, 499.—Coal and lignite in the Himalayas. As. Res. 1820, vol. xvi. 387.—Description of sivatherium giganteum. As. Res. vol. xix. 1; fossil crocodile, Sevallick hills, 25; fossil gharial, 32; fossil hippopotamus, 29; fossil camel, 115; fossil tiger, 135; fossil bear, 193.—Gold washings in the Goomti river, in the Sevallick hills, between the Jumna and Sutlej rivers. Bl. As. Trans. vol. iv. 279.—On a new species of snake. Ibid, 217.—Mastodonta dentetroites. Ibid, vol. v. 294.—Mastodons of Sevallicks. Ibid, 768.—Manufacture of tar in the Sevallick hills. Ibid, vol. ii. 249.—Panchukki, or corn mill. Ibid, 359.—Fossil giraffe. Ibid, vol. vii. 658.—Dam sluices. Ibid, vol. i. 451.—Remarks on the fortress of Aligurh. Parlby's Military Repository. Ibid, vol. iii. 86.—Caramnassa bridge. Gleanings in Science, vol. iii. 207.

Cauvery. Jervis' visit to the falls of the. 1 vol. 8vo.

Cavalry, irregular. Calcutta Review on. No. v.
——— Major Jacob on. Bombay, pamphlet, 1846.
——— regular. Major C. Smyth on. Pamphlet, 1852.

Caves. List of, with authors' names. Ajunta, Bird and Fergusson. Bajah and Beera. Bom. As. Trans. 1842, vol. i. 438.
——— at Baugh, in Malwa. Account of, by Captain Dangerfield. Bom. Lit. Trans. vol. ii. 194.
——— Keneri. Hamilton's account of. Description of Hindostan, vol. ii. 171.
——— temples of Western India. W. Erskine. Bom. Lit. Trans. vol. ii.
——— Dr. Bird's account of. 1 vol. plates. Bombay, 1848.
——— Elephanta. Dr. Stevenson on. Bom. As. Trans. 1852.

Caves. Singular, near Maulmain—full of stalactites; tens of thousands of jet images everywhere around; roof occupied by bats, which go out in the evening in a column many miles long. Cal. Chris. Obs. February 1837; reprinted As. Jl. 1837, vol. xviii. 10.

Cawnpore. Statistics of. R. Montgomery, C. S. 1848. 1 vol. 4to. Friend of India, 1850, 403. —Calcutta Review on. No. xxvii.

——— Revenue of the district of. Cal. Rev. No. xxxiv.

Celtic remains in Orissa. Capt. Kittoe. Corbyn's India Review, 1839.

——— on Neilgherries. Capt. Cotgrave. Mad. Lit. Trans. 1847; Bom. As. Trans. 1849—1851, 152.

——— Explanation of Indo-Scythian inscriptions on Bactrian coins, through the medium of Celtic. Dr. Swiney. Bl. As. Trans. 1837, vol. vi. 94.

——— Races of India divided into the Tamulian, or aboriginal, and Arian, or Immigrant Arian races, uniform in their general characteristics from Wales to Assam. Hodgson's Preface to Indian Ethnology. Bl. As. Trans. 1849, vol. xxviii. 238.

Cement. Account of an admirable, used in Persia. As. Jl. 1817, vol. vi. 12.

——— Smith's (Major, Madras Engineers,) translation of Vincent on cements. Lond. 1842, 8vo.

Central India under British supremacy. Cal. Rev. No. xxvii.; Roorkee College Papers, 1852.

Ceylon. Knox's account of the island of.

——— Dr. Davy's account of.

——— Fishes of—a beautiful work by Bennett, with coloured plates. 1 vol. 4to.

——— Plants of. Moore's catalogue of.

——— Pearl fisheries of. James Stewart. Ceylon, Cotta, 1843, 4to.

——— Progress and present state of the cinnamon trade of. J. Capper. Lond. As. Trans. 1845, 368.

——— Revd. J. Selkirk's recollections of. Cal. Rev. 1844, 800.

——— History of. Knighton. Colombo, 1845.—Calcutta Review on. No. xiii.

——— Christianity in. Sir J. E. Tennent. Lond. 1850.—Calcutta Review on. No. xxv.

——— Education in. Cal. Rev. No. x.

——— Political literature of. Ibid, No. xxi.

——— under Lord Torrington's administration. Ibid, No. xxiii.

Chambers. Ruins at Masulipatam. As. Res. 1806, vol. i. 145.

Chaplin, Bombay Civil Service, Commissioner. Report on the Deccan. Bombay, 1824.

Chartanyu, and the Vaishnavas of Bengal. Cal. Rev. No. xxix.

Cheedoba, volcanic island off Arracan, about 1,760 feet high, lifted 10 feet up 100 years ago. Hallstead's account of. Bl. As. Trans. 1841, vol. x. 350.

Cherrapoonj, Cassia hills. Climate of suited for a sanitarium; 4,000 feet above the level of the sea. Colonel Watson. Bl. As. Trans. 1834, vol. iii. 25.

——— Falls of rain at—600 inches. Lieut. Yule. Average fall for August 200 inches—in 1841, 264 inches fell; occasionally 20 inches fall in twenty-four hours. Bl. As. Trans. 1844, vol. xiii. 614.

——— Account of. Bl. As. Trans.

——— Enormous falls of rain at—600 inches in one year. Bl. As. Trans. 1852. (See Rain.)

——— Excursion to. Gleanings in Science, vol. iii. 172.

——— Mammalia, birds, and reptiles found near. Blyth. Bl. As. Trans. 1851, 517.

Chesney, Colonel. Account of operations on the river Euphrates. Lond. Geol. Trans. 1837, vol. vii. 411.

Chemical tests. Lieut. Braddock on. Mad. Lit. Trans. vol. x. 270.

Chikuldah. Account of climate and topography of. W. H. Bradley. Bom. Geo. Trans. vol. vii. 167.

Chilly, S. C. On the site and ruins of Tamarane Nawera. Lond. As. Trans. vol. vi. 242.

Chinchwars, a wild tribe in the Eastern Ghauts. Newbold on. Lond. As. Trans. 1846, vol. viii. 271.

Chinese war. Ouchterlony's account of. Lond. 1844, 1 vol. 8vo.—Cal. Rev. on. No. i. 152.

——— Ancient vases. Thom's description of. Lond. As. Trans. vol. i. 57, 213.

——— feast to disembodied spirits. Account of. Lieut. Newbold. Mad. Lit. Trans. vol. vi. 264.

Cholera Morbus. First makes its appearance at Jessore, Delta of the Ganges, in August 1847, and by 1831 had carried off fifty millions of human beings in various parts of the world. Historical notice of. As. Jl. 1831, vol. vi.

Cholera Morbus. Report on : computed that 150,000 persons perished of it before it reached Madras or Bombay. As. Jl. 1831, vol. vi.

——— In 1820 ravaged the Mauritius, in four months' time destroying 20,000 people, one-fourth the population. Report Bombay Medical Board, 1819.

——— Report on, for Bengal. 1820.

——— Report on, for Madras, prepared by Dr. Scott, under authority of the Medical Board. 1824, 4to. Foreign Quart. Rev. November 1831.

——— Dr. Corbyn's treatment of. Government Gazette, November 1817; As. Jl. 1818, vol. vi. 474.

——— Ainslie on. 1 vol. 8vo.

——— in August 1821 : 14,000 people carried off in a fortnight at Bushire by. As. Jl. 1822, vol. xiii.

——— Frightful visitation of, at Kurrachee, in June 1848. 8,000 lives lost in ten days: of these 805 were Europeans—815 fighting men—and 505 sepoys ; the rest camp-followers and natives of the place. Bombay Times, June and July 1848. Dr. Thom, H. M.'s 86th foot, on. Parl paper.

——— Fatality of, in the armies of India, much less than is generally supposed. Dr. Finch. Rep. Brit. Ass. 1850.

——— Cure for. Lieut. Cotgrave, Madras Artillery. Pamphlet, Lond. 1841.

——— Dr. Balfour's statistics of, in the Madras presidency. Pamphlet, Madras, 1849.

——— Dr. Mosgrove, Bom. Med. Serv. New mode of treating. Pamphlet, Bombay, 1849.

——— Dr. Morehead on treatment of, with acetate of lead. Bom. Med. and Phys. Trans. vol. ii. 237.

——— Infirmary at Bombay. Dr. Morehead on. Ibid, vol. x. 321.

——— Dr. Ambrose Blacklock, Madras Medical Service, on. Pamphlet, Madras, 1848.

——— History of. Edin. Cab. Lib. vol. ii. 263.

——— Shown by native writings to have frequently before visited India : ravaged Bengal in 1762 ; attacked troops in Ganjam in 1781 ; fair at Hurdwar in 1783 ; prevailed along the Coromandel Coast in 1787 ; identical with malady called Sitanga, or Vishuchi. Ibid.

——— Remarkable cases of. Friend of India, 1846, 453, 515.

——— Observations on the nature and treatment of. Ibid, 1846, 596.

——— Successful exertions of Dr. Mosgrove to stay the. Ibid, 1846, 676, 741, 746.

——— New cure for, at Bombay. Ibid, 1850, 35.

——— Origin of. As. Jl. 1820, vol. x. 484.

——— Contagion of. Lond. As. Trans. vol. iii. 89.

——— Bombay Medical Society's views of. Bom. Med. and Phys. Trans. 1850.

Christie, Dr. Turnbull, a distinguished member of the Madras Medical Service. Account of porcelain clay at Mangalore. Bl. As. Trans. 1841, vol. x. part 2, 967.—Mineralogy and geology of the Southern Mahratta Country. Mad. Lit. Trans. vol. iv. 185, 452 ; reprinted from Edin. Phil. Jl.—Instructions for meteorologists ; observations on, and plan for, new instruments. Ibid, vol. ii. 41, 79.—Observations on the geology of the Hyderabad country. Ibid, 1827, 79.—Memoir of. Edin. Phil. Jl. vol. xv. 156.—Biographical notice of. Mad. Lit. Trans. vol. xv. 150.

Christopher, W., I. N. ; died from a cannon-shot, received before Mooltan, in 1840. Memoir of the Maldive islands. Bom. Geo. Trans. reprint, vol. i. 54.—Account of Adam's bridge and Ramiseram temple, in Ceylon. Bom. Geo. Trans. 1844—1846, vol. vii. 139.—Account of Haines river, and the adjoining country. Ibid, vol. vi. 375.—On a voyage up the Indus and Sutlej. Ibid, vol. viii. 144.—Journal of ascent up the river Chenab. Ibid, 236.

Christians on the Malabar Coast. History of. Archdeacon Robinson. Mad. Lit. Trans. vol. i. 7, 64, 255, 342.

Chunam. Lieut. Braddock on the induration of. Ibid, vol. iii. 67.

Churkas, Indian : their respective merits as to speed, cost and quality. Friend of India, 1848, 758, 789.

——— Drawings and descriptions of. Company's papers on cotton, 1836 ; Royle on cotton cultivation, 1852.

Circassians. Notice of, by Charles Tausch, a German. Lond. As. Trans. vol. i. 98.

Cities, ruined, of India. Gour, ancient capital of Lower Bengal. Description of. Friend of India, vol. viii.; As. Jl. 1819; Bl. As. Trans. 1852. Capt. Layard's account of.

——— Mandu, in Malwa. Sir John Malcolm's Central India.

Cities, ruined, of India. Bassein. (See Beejapore.)
——— submerged, of India. Bombay Times, February 1852.
——————— Bhalibipura, in Kattiwar, near Bhownuggur. Dr. Nicholson on. Lond. As. Trans. 1851, vol. xiii. 146.
——————— near Behut, on the Doab canal. Capt. Cautley on. Bl. As. Trans. 1834, 43.—Capt. Baird Smith on. Ibid, 1844.
——————— Oujein. Hunter on. As. Res.—Sir John Malcolm and Capt. Dangerfield on. Central India, vol. ii.; Edinburgh Cabinet Library, vol. ii.; Lyell's Principles of Geology, all the editions.—Hypothesis of submergence to all appearance groundless. Lieut. E. Connolly. Bl. As. Trans. 1837, vol. vi.
——————— Bhuddist city of Samkassa. Lieut. A. Cunningham on. Lond. As. Trans. vol. vii. 241.—Note by Col. Sykes. Ibid.
——————— Palibothra; once occupied the site on which Patna now stands: the Soane, which formerly joined the Ganges under the walls of the city, now falls into it 22 miles higher up—change supposed to have taken place about 1379 A. D. Bl. As. Trans. 1845.
——————— Canouj, in the province of Agra, once a celebrated Hindoo city. As. Jl. 1817, vol. iv. 545.
——————— Ranade, in Scindiah's dominions; 35 miles south of the celebrated fort of Nurwur, six or seven east of the high road from Bombay. Cope on. Bl. As. Trans. 1848, vol. xvii. 1079.
Civis (understood to be Sir H. Russell) on Indian affairs. Lond. 1850.—Calcutta Review on. No. xxvi.
Clark, Dr. J. On the laterite formations of Southern India. Mad. Lit. Trans. vol. viii. 334.—On the geology of Bangalore and other places in the Mysore. Ibid, vol. ix. 89.
Clark, G. On the geology of Bombay. Lond. Geol. Trans. vol. iii.
Clarkson, Revd. W. India and the Gospel. Lond. 1851. 3rd edn.
Cleghorn, Dr. Hugh, Madras Medical Service. On the hedge plants of India, and the circumstances which adapt them for special purposes in particular localities. Rep. Brit. Ass. 1850.—On the grass cloth of India. Ibid, 112.—On the physical effects of the destruction of tropical forests. Ibid, 1851; London Athenæum, 1851, 781.—Capt. Strachey's reply to. Ibid.
Climate and diseases of eastern regions. Remarks on. Sir W. Ainslie. Lond. As. Trans. vols. ii. 13; iii. 55. (See Meteorology.)
——— tropical. On the colonisation of, from extra-tropical countries, and *vice versâ*. Dr. A. Thom, H. M.'s 14th Dragoons. Bom. Med. and Phys. Trans. 1843, vol. vi. 112.
Clive's Itinerary for Western India. Calcutta, 1826, 1 vol.
Coal, and minerals. Report on, by committee, 1838. Calcutta, folio; reprinted Bl. As. Trans. 1808, vol. vii.; Mad. Lit. Trans. vol. viii.; Corbyn's India Review, &c. Friend of India, 1838, 97, 113. First noticed in India as having been discovered in 1774, by Mr. Heatley, in the district of Beerbhoom; it was left neglected for forty years. The Burdwan coal was discovered in 1804: in 1809 the Military Board were called upon to report on it. In 1816 it began to be largely worked by Mr. Jones, of the Albion Mills, and by 1823 the coal excavations had formed a large establishment. In 1813, Sylhet coal was discovered at Cherrapoonj. Soon after, coal was discovered at Cuttack. Coal from eighty different places in India had been analysed at Calcutta betwixt 1837 and 1840.
——— On mineral resources of India. Bl. As. Trans. 1842, vol. xi. 808.
——— in Candeish. Bombay Times, March 22, 1848.
——— beds in the Namsang Nago hills. Correspondence regarding. Capt. T. E. Rodgers. Bl. As. Trans. 1848, vol. xvii. 89.
——— field of the Damooda valley. Description of, and adjacent countries of Beerbhoom and Pooroobeah. J. Homfray. Ibid, 1842, vol. xi. 727.
——— Statistics of. Friend of India, September 24, 1840; Bombay Times, 1840, 653.
——— Capt. Kittoe's account of, in Ungool. Bl. As. Trans. vol. viii. 141.
——— Col. Grant's account of, in Cutch. Lond. Geo. Trans. 1839.
——— found at Kotah. Memoir on, with a note on the anthracite of Duntinnopilly. W. Walker. Bl. As. Trans. 1841, vol. x. 341.
——— wood. Nature of, in Cutch. Capt. McMurdo's account of. Lond. Geo. Trans. vol. ii. 209.
——— Table of Indian, analysed at the Calcutta Assay Office; extracted from the report of the coal committee. Bl. As. Trans. 1838, vol. vii.; Corbyn's Ind. Rev. 1842.

Coal fields, Indian. On the difference of levels in, and the causes to which this may be ascribed. J. McClelland. Bl. As. Trans. 1838, vol. vii. 65.

——— field at Bidjeegwah. Report of a visit made to the supposed. G. Osborne. Ibid, 1838, vol. vii. 839.

——— Report on ten specimens of, from Capt. Burnes. J. Prinsep. Ibid, 848.

——— Report upon beds of Assam. Ibid, 948.

——— Reports on proceedings of committee for inquiring into the mineral resources of India, 1841-42. Calcutta, folio; Mad. Lit. Trans.—Second Report, 1845-46. Calcutta, folio.

——— Resources of Bengal. Cal. Rev. 1849, No. xxiii. 213.

——— Statistics of. Edin. Rev. September 1850.

——— Review of Taylor's work on. Bombay Times, November 20, and Madras Athenæum, November 30, 1850.

Cocos de Mer, a variety of palm, found exclusively on three of the smallest of the Seyschelles,—Praslin, Curieuse, and Round island,—south of the line: produces the huge double cocoanut, formerly supposed possessed of such wonderful medical virtues that £150 was given for a single nut. Chambers' Edin. Jl. July 1852, 405.

——— Mons. P. Bernard on the Lodicea of the Seyschelles. Lond. As. Trans. vol. vii. 33; reprinted Bombay Times, October 10, 1852.

Coimbatore. Beryl mines in. Jameson's Edin. Phil. Jl. vol. xx. 241.

Coins. Observations on some ancient Indian, found in the Punjaub. Dr. Wilson. Lond. As. Trans. vol. iii. 381.

——— Plates of, found between Oojein and Cutch. Ibid, vol. iv. 273, 307.

——— Account of collections of, made in India. As. Res. vol. xvii. 559.

——— Prinsep on ancient Hindoo, with the Grecian and Scythian series. Bl. As. Trans. vol. iv. 621.

——— Prinsep on legend on, of Cutch. Ibid, vol. vi. 378.

——— Prinsep on Ceylonese. Ibid, 298.

——— Lieut. A. Cunningham on Indo-Scythian, proving the identity of the Indo-Scythian Kanerki with the Buddhist prince Kanishka of Cashmeer. Ibid, 1845, vol. xiv. part 1, 430.

——— Notice of counterfeit Bactrian. Lieut. A. Cunningham. Ibid, vol. ix. 393, 1217.

——— Notes on Bactrian. Lieut. A. Cunningham. Ibid, 531.

——— of Begram. Masson's memoir of. Ibid, vol. v. 1; Grecian series of Bactria, 11; of Myscan kings, 20; Indo-Scythian, 20; other dates, 25, 58, 043, 537.

——— ancient Indian, found at Junir. Bom. As. Trans. vol. ii. 377; Lond. As. Trans. vol. xii. 1.

——— Prinsep on ancient Roman, in the Bengal Asiatic Society's cabinet. Bl. As. Trans. vol. i. 392.

——— Roman, found at Nellore, near Madras, of Adrian and Trajan. Notice of. A. Davidson. As. Res. vol. ii. 332.

——— Discovery of Roman in Coimbatore. Mad. Lit. Trans. vol. xiii. 212.

——— near Quilon. General Cullên on. Bl. As. Trans. 1849; Bombay Times, September 11, 1849, 522.

——— of Arracan, historical. Capt. A. P. Phayre. Ibid, vol. xv. 232.

——— symbolical. Lieut. T. Salter. Ibid, 238.

——— of the independent Mahomedan sovereigns of Bengal. J. W. Laidlay. Ibid, 323; Bl. and Bom. As. Trans. *passim;* Ariana Antiqua, H. H. Wilson. Lond. 4to. 1841; T. Prinsep's Historical Results of Discoveries in Affghanistan. Lond. 1844, 8vo.

——— Bactrian. Capt. Hayes' collection of. Cunningham and Torrens on. Bl. As. Trans. vol. ix. 70, 293, 531.

——— Indo-Scythian. Lieut. A. Cunningham on. Bl. As. Trans. 1845, vol. xiv. 430.

——— Pelhlvi, of early Mahomedan Arabs. E. Thomas, Bengal C. S. Lond. As. Trans. vol. xii. 253.

——— Of the dynasty of the Hindoo kings of Cabool. E. Thomas, Bengal C. S. Ibid, 1846, vol. ix. 177; of Ghuznie, 1847, vol. xi. 267; of the Patan Sultans of Hindostan. 1 vol. 8vo. Supplementary contributions to. Pamphlet, Delhi, 1852. Proposed 2nd Edn. of, with numerous illustrations, price Rs. 8.

——— Indo-Bactrian, numismatic, and Greek connection with the East. Cal. Rev. 1851, vol. xvi. 119.

——— ancient. (See Ariana Antiqua, Prinsep, Wilson, H. H., Valiant, Masson, Cunningham, Stevenson, Bird, Thomas.)

Coins. Zodiac, of the Emperor Jehangeer. Consist of twelve sets of gold mohurs, and silver rupees ; bear the same imagery from the signs of the zodiac, each coin bearing a sign ; were struck, partly at Ahmedabad, partly at Agra, in honour of the Empress Noor Jehan. Catrou's History of the Mogul Dynasty, 147.

——— Bird on the Bombay Asiatic Society's collection. Bom. As. Trans. 1844, vol. ii. 63.

Cole, Dr. R., Madras Medical Service ; Secretary Madras Literary Society. On laterite formation, and laterite of Red Hills, Madras. Mad. Lit. Trans. vol. iv. 100.—On mounds of scoriaceous ashes near Bellary. Ibid, vol. vii. 130.

——— Mr., I. N. Journey to Green Mountains of Oman, 1847. Bom. Geo. Trans. 1828, vol. viii.

Colebrook, Lieut. Col. W. On the lamentations of the inhabitants of Ceylon over the bodies of their dead. Lond. As. Trans. 1845, vol. xi. 63.

——— H. T., Bengal C. S. ; one of the founders of the Bengal Asiatic Society, and author of many of the most valuable contributions to its Transactions ; after Sir W. Jones, one of the most eminent Orientalists of his time. *Ob.* 1837. On the duties of the Hindoo widow. As. Res. vol. iv. 205.—Enumeration of classes or tribes of Natives of India. Ibid, vol. v. 53.—On Indian weights and measures. Ibid, 91.—Translation of Delhi inscription. Ibid, vol. vii. 175.—On Hindoo religious ceremonies. Ibid, vols. v. 345 ; vii. 235, 238.—On the Sanskrit and Prakrit languages. Ibid, vol. vii. 199.—On the origin of some Mahomedan sects. Ibid, 338.—Description of Os-Hamed Gayal. Ibid, vol. viii. 487.—On the Vedas, or sacred writings of the Hindoos. Ibid, 369.—Observations on the Jains. Ibid, vol. ix. 287.—On the Indian and Arabian zodiac. Ibid, 323.—On olibanum, or frankincense. Ibid, 377.—On ancient monuments, containing Sanskrit inscriptions. Ibid, 398.—On the sources of the Ganges. Ibid, 429.—On the notions of Hindoo astronomers. Ibid, vol. xii. 209.—On the heights of the Himalaya mountains. Ibid, 251.—On the Dryobalanops Camphora. Ibid, 535.—Miscellaneous papers, 1 vol. 8vo.

——— J. T. Notice of life of, by his son. Lond. As. Trans. vol. v. 1.

——— Lieut. R. H. Astronomical observations in the Andamanns. As. Res. vol. iv. 317, 385 ; on Barren Island, 399.—Observations on the course of the Ganges. Ibid, vol. vii. 1.

College of Fort William. Cal. Rev. No. ix.

——— Bishop's. Ibid, No. xvi.

Collier, Dr. C. F. On the nature of the rocks and soils of the Bombay Presidency. Bom. Geo. Trans. vol. ix. 99.

Colvin, Colonel. Account of Sivatherium. Bl. As. Trans. vol. v. 152.

Comet observed in various parts of India. As. Jl. 1821, vol. xii. 487.

——— observed in Calcutta, in 1824.

——— in March 1843. Dr. Buist. Bom. As. Trans. vol. i. 253.

——— of November 1844, and January 1845. Professor Pole. Ibid, vol. ii. 201.

——— at Bombay and Madras. Ibid, 267.

——— Particulars of, observed in India, Dec. 1844. Bombay Overland Times, February 1, 1845.

Commerce, Oriental, Melbourne's, edited by Thornton. 8vo.

——— Steven's Guide to the East India Trade. 1 vol. 4to.

——— Prinsep's remarks on the commerce and resources of Bengal. 1 vol. 8vo.

——— Wilkinson's Commercial Circular ; Trade Returns of Calcutta ; Bombay Custom-house Reports ; Reports of Bombay Chamber of Commerce.

Concan. The band of low country so called, betwixt the base of the western mountains of Indin and the sea, along the Malabar Coast. Conquest of Southern. As. Jl. 1819, vol. ix. 710.

Conner, Lieut. Description of hill tribes in Travancore. Mad. Lit. Trans. vol. i.—Memoir of the survey in Travancore. Ibid, 54.

Convolvoulaceæ. Clavis analytica of the, of Southern India. G. Walker Arnott, and R. Wight, M. D. Mad. Lit. Trans. vol. v. 15.

Contributions to Indian botany. R. Wight, M. D. Mad. Lit. Trans. vol. x. 1.

Connelly, Captain Edward, 7th Bengal Cavalry. (Killed in Affghanistan, October 1841 ; brother of Captain Arthur, kept captive till his death at Bokhara, in 1842, and of Captain John, killed at Cabool in 1842. These three distinguished brothers perished in Affghanistan within a year of each other. Edward was killed at Toolian Durrah, October 1840 ; Arthur, the celebrated traveller, went on a mission to Bokhara in August 1840, and is believed to have been murdered in prison with Colonel Stoddart ; John was killed at the capture of Cabool in July 1842.) Physical geography of Seisthan. As. Jl. 1830, vol. ix. 710.—Figures of gems

and coins. Bl. As. Trans. 1842, vol. xi. 137.—Account of city of Oujein and its environs. Ibid, 1837, vol. vi. 831.—Journal kept while travelling in Seisthan. Ibid, 1841, 310.
Connelly, Captain J. Report upon Khorassan. Bl. As. Trans. 1842, vol. xi. 116.
——— Captain A. On the white-haired Angora goat. Lond. As. Trans. vol. vi. 150.—Overland journey through Persia and Affghanistan to India. Lond. 1834, 2 vols.
Conybeare's report on the country between the Mulsej Ghaut and the Gungathuree. Lond. Geol. Trans. 1840, vol. iii. 225.
——— Captain E. Notes on the Eusofzaie tribes of Affghanistan. Bom. As. Trans. vol. ix. 942.
Cooly trade. Revival of the. Friend of India, 1842, 193, 211, 243, 330, 301, 455, 608, 785, 818.
Coolies. Treatment of our Indian, at Trinidad. Ibid, 1850, 745.
——— Exportation of, from India. Ibid, 1838, 201.
——— Interference of Government to prevent the exportation of. Ibid, 323.
——— Abolition of the exportation of. Ibid, 339.
——— trade. Ibid, 1838, 354, 405, 422, 436, 453, 531, 563, 505, 646, 725, 741 ; 1839, 35, 322, 370, 513.
——— ——— Prevention of the renewal of. Ibid, 1840, 104, 288, 312, 578.
——— Emigration of. Ibid, 1843, 611, 673 ; 1844, 82, 612.
——— Attempt to revive the trade in Calcutta. Ibid, 1846, 418, 434.
——— Act, prohibiting the transportation of. Ibid, 1838, 750.
——— Statistics of emigration. Ibid, 1848, 19.
Copalite, mineral copal, found in ligniform pieces near Quilon, under laterite. General Cullen, Madras Service, quoted by Newbold, and Dr. J. G. Malcolmson. Lond. Geol. Trans. 1837.
——— Newbold on. Lond. As. Trans. 1840 ; Cal. Rev. 1848.
Cope, Henry, Secretary to the Delhi Archæological Society ; Secretary to the Lahore Agricultural Society. On the ruined city of Ranade, Scindiah's dominions. Bl. As. Trans. 1848, vol. xvii. 1079.—On the ruined city of Ferozabad. Ibid, 1847, vol. xvi. ; 1848, vol. xvii. 971.—On the silk manufactures of the Punjaub. Lahore Agri. Trans. 1852. (See Silk.)
Copper, Lieut. Col., Madras Army, formerly Comptroller General, Madras. On winds and monsoons. Lond. 1801, 1 vol. 8vo. A work still held in great esteem.
Copper mines of Porkie, in Gurhwal. Report on the working of. G. S. Lushington. Bl. As. Trans. 1843, 453.
——— ——— of Kemaoon. Report on. Capt. H. Drummond. Ibid, 1838, vol. vii. 934 ; extracts from Public Correspondence N. W. Provinces, 1851.
——— ——— Of Singhana, near Khetri, Shekawattee country, lat. 28° 5′, long. 05° 53′.
——— ——— of Cullustra, near Nellore. Heyne's Tracts.
——— in the district of Lus, near Beyla. Note on, Capt. DelHosto. Bom. Geo. Trans. vol. vi. 117.
——— In Affghanistan. Capt. Drummond. Bl. As. Trans. 1841, vol. xii. 109.
——— in the district of Beerbhoom, and south of Bhaugulpore. Friend of India, February 28, 1850.
——— Official account of. Calcutta papers, January 1851.
——— at Gurhwal. Bl. As. Trans. vol. xii. part 1, 472 ; part 2, 769.
——— at Porkie and Dharpur. Richardson's account of. Ibid, vol. xiv. part 2, 471.
——— at Kunawur. Gerrard's account of. Ibid, 1844, vol. xiii. 175.
——— Glasfurd's account of, near Kemaoon. Ibid, vol. viii. 471.
——— Reports on Kemaoon. Major Davidson. Published by Govt. N. W. Provinces.
——— Recent discovery of. Friend of India, 1850, 120.
——— Discovery of ores in the zillah of Bhaugulpore. Capt. Sherwill. Bl. As. Trans. vol. i. 1.
——— Report on. Buddlestone. Ibid, 3.
——— Shekawattee Coal Committee's report on. Gleanings in Science, vol. iii. 380.
——— of Nellore and Cuddapah. Lieut. Ouchterlony's (Mad. Engrs.) Mineral Report. Madras, 1841.
Coorg. Dr. Bakie on climate of. Mad. Lit. Trans. 1836.
Coral reefs. Darwin on the formation of. Lond, 1840, 1 vol. 8vo. Capt. Moresby on.
——— ——— Dr. Buist's theory of upheaval of. Bl. As. Trans. 1850, 253.
——— Translation of Ehrenberg's account of the coral formations in the Red Sea. Bom. As. Trans. vol. i. 130, 323.
Corbyn's India Review; Indian Journal of Medical Science. Calcutta, 1838—1844.

Corbyn, Fred. The science of national defence, with reference to India. Calcutta, 1844.—Treatment of cholera. (See Chulera.)

Cormac, Revd. John. Account of the abolition of female infanticide. Lond. 1815; As. Jl. vol. i.

Cornelian. Mr Copeland on. Bom. Lit. Trans.

——— Dr. Lush on. Bl. As. Trans. 1836.

——— Captain Fulljames on. Bom. Geo. Trans. 1839.

——— Professor Orlebar on. Bom. As. Trans. 1841.

——— Mr. Summers on trade and manufacture of. Ibid, 1851.

——— Trade in. Sometimes above £10,000 worth of cut cornelians imported into Bombay in a single season: they are nearly all exported, mostly to China; scarcely any go to Europe. Custom-house Returns, 1847; Illustrated Catalogue of the Exhibition of 1851—India precious stones.

——— mines at Rajpeepla. (See Cambay Stones.)

Coromandel. Edye on native vessels of. Lond. As. Trans. vol. ii.

Corrie, Archdeacon of Calcutta; Bishop of Madras. Life of. Lond. 1847; Cal. Rev. No. xvlii.

Corundum, native corund; also sammy stone, or samada stone; adamantine spar of mineralogists; used all over India for cutting and polishing stones, brightening and sharpening steel, &c.: ground, it forms emery powder, baked up with lac, emery cake—used like emery paper. Found in Mysore, and Paulghat, mostly in granite. Brought occasionally to Bombay for exportation to England. (See Samada Stone.) Newbold's account of mineral resources of Southern India. Lond. As. Trans. 1843.

Cosma de Koros, a celebrated Hungarian traveller, and Thibetan scholar. *Ob.* 1842, on the Himalayas. Memoir of. Bl. As. Trans. 1842.—Bequeathed Rs. 5,000 to the Asiatic Society of Bengal. Ibid.—Resided in Kunawar, and on the frontier, from 1828, for the sake of studying the language of the country. Gerrard's interview with. Gleanings in Science, 1829, vol. i. 110.—Geographical notice of Thibet. Bl. As. Trans. 1833, vol. i. 121.

Cotgrave, Capt., Madras Service. Scythian remains on the Neilgherry Hills. Mad. Lit. Trans. 1847, No. xxxii.

Cotton. Dr. Lush on. Lond. As. Trans. vol. iv. 17.

——— J. Smith on cultivation of, in India. Ibid, vol. v. 372—374.

——— Mode of packing. As. Jl. 1819, vol. vii. 144; Bombay Almanac, 1853.

——— E. S. Reports relative to culture and manufacture of. Lond. 1836, 1 vol.

——— trade of India. Friend of India, 1847, 147.

——— Experiments on the cultivation and cleansing of. Ibid, 1848, 100.—By order of the Court of Directors. Ibid, 147.

——— Failure of trade at Surat. Ibid, 1842, 83.

——— trade and cultivation of Broach. Ibid, 1847, 163; 1849, 435.

——— Decline of the trade of Bombay. Ibid, 290.

——— On supply of, from India. Ibid, 1847, 389.

——— Report of select committee of House of Commons on growth of. Ibid, 1848, 658.

——— Dr. Wight on cultivation of. Mad. Lit. Trans. vol. vi. 79.

——— Dr. Royle on. Lond. 1851, 1 vol. 8vo.

——— Chapman on, and Indian railways. Lond. 1850.

Couthard, Captain. Trap formation of the Saugor district. As. Res. 1833, vol. xviii. 47.

Couts. Decades de Asia. 5 vols. 8vo.

Court, M. A. Exploits of Alexander the Great on the western bank of the Indus. Bl. As. Trans. 1839, vol. viii. 304.—March of Alexander. As. Jl. 1837, vol. xviii. part 1, new series, 46.

Courtallum. Observations of the flora of. R. Wight, M. D. Mad. Lit. Trans. vols. ii. 380; iii. 84; iv. 57.

Cow-pox known in Persia. Letter to W. Erskine on. W. Bruce. As. Jl. 1819, vol. iii. 646.

Cox, Hiram. Account of petroleum wells in Burmah. As. Res. vol. vi. 127.

Crawfurd, John, Bengal Medical Service. Embassy to Ava, in 1827. Lond. 1829.—History of the Indian Archipelago. Edin. 1820, 3 vols.—Researches in India. Lond. 1817, 2 vols.—Embassy to Siam. Grammar and Dictionary of the Malay language. 2 vols. 8vo. Lond. 1851.

Criminal statistics of Bengal. G. Spede. Calcutta, 1847.

——— justice in Bengal. Cal. Rev. Nos. xi. xix.

——— law of Bengal. Ibid, No. xxiv.

Cruttenden, G. S. J., I. N. Report on the Mijjartheza tribe of Somalis, inhabiting the district forming the N. E. point of Africa. Bom. Geo. Trans. 1844—1846, vol. vii. 3.—Memoir on

the western and eastern tribes inhabiting the Somali coast of N. E. Africa. Bom. Geo. Trans. 1847—1849, vol. viii. 177.—Journal of an excursion to Sanau. Ibid, vol. ii. 39.

Cucurbitaceæ. On the fruit of the order. R. Wight, M. D., F. L. S. Mad. Lit. Trans. vol. xii. 43.

Cuddapah, Nellore, and Guntoor, a large division of the Balughat territories, ceded by the Nizam in 1800; soil abounds in soda and saltpetre. Heyne's Tracts.

——— Colonel Ouchterlony's report on, published by Madras Government.

Cullen, Captain, Madras Artillery, now Lieutenant General, Resident at the Court of the Rajah of Travancore; for half a century a distinguished contributor to physical science in India. Geological features from Madras to Bellary. Mad. Lit. Trans. 1827, vol. i. part 1, 33.—Account of the fall of rain at different stations on the Western Ghauts. Rep. Brit. Ass. 1844; 1846, vol. ii. 23.—On the influence of trees on climate. Mad. Lit. Trans. vol. xv. 450.

Cullery mountain. Topographical description of table-land on the. Major Jervis. Bom. Geo. Trans. 1840, vol. iii. 198.

Cumbacum Droog. Description of a remarkable table-land at, Madras. Lieut. Col. Monteith, K. L. S. Mad. Lit. Trans. vol. iv. 134.

——— On the table-land of. Capt. J. T. Smith, Madras Engineers. Ibid, vol. ix. 311.

Cunningham, Capt. J. D., Bengal Engineers, a distinguished antiquary, statist, and geographer; Resident Bhopal. *Ob.* 1851. Description of Kunawar. Bl. As. Trans. vol. xiii. part 1, 1844. —On the ruins of Puthnree. Ibid, 1848, vol. xvii. part 1, 305.—On the linjam of Bhojpur. Ibid, 154.—Notes on the antiquities within the districts of the Bhopal agency, &c. Ibid, 1847, 739.—History of the Seikhs. Lond. 1829; Cal. Rev. No. xxii.—On the ruins of the Buddhist city of Samkassa. Lond. As. Trans. vol. vii. 241; As. Trans. vol. vii.

——— Capt. A., Bengal Engineers. Discovery of Buddhist city of Samkassa. Lond. As. Trans. vol. vii. 242.—Journal of a trip through Kulu and Lahul to the Chu Mureri lake, in Ladak. Bl. As. Trans. 1848, vol. xvii. 201.—Memorandum detailing the boundary between the territories of Maharajah Goolab Sing and British India, &c. Ibid, 295.—Verification of the itinerary of Hwan Thsang through Ariana and India. Ibid, 476.—Proposed archæological investigation. Ibid, 535.—Description of ancient gems and seals from Bactria, the Punjaub, and India. Ibid, 1841, 147.—Essay on the Arian order of architecture, as exhibited in the temples of Kashmir. Ibid, 1848, 241.—Description of, and deductions from the consideration of some new Bactrian coins. Ibid, 1840, vol. ix. 867, 1217.

Cuneiform inscriptions. Rawlinson on. Lond. As. Trans. 1849—1852, *passim*.

——— character and inscriptions. History of. Ritter's Geography. 1 vol. 8vo.

——— Translations from. Bom. As. Trans. vols. i. ii.

——— Anquetil du Perron on. Paris, 1774, 3 vols. 4to.; As. Res. vol. iv. 651.

Curia Muria islands. Notice of. Dr. G. Hulton. Bom. Geo. Trans. 1840, vol. iii. 183.

Cut, native name for Terra Japonica; catechu, a drug. Dr. F. Buchanan's account of manufacture of. Travels, vols. i. ii.

——— Dr. O'Shaughnessy on. Bengal Dispensatory.

——— Major A. McIntosh on mode of manufacture of, among the Kottouries, in the Coucan. Bom. Geo. Trans. Report, vol. i 329.

Cutch Bhooj. Account of. As. Jl. vol. ii. 121.

——— Geological memoir on, with map. Lond. Geol. Trans. 1839. (See Grant.)

——— Remarks on the Gulf of. Capt. E. Fulljames. Bom. Geo. Traus. 1849, vol. viii. 360.

——— Account of fossils from. Bl. As. Trans. vol. vi.

——— Dr. James Burnes on. Bom. Geo. Trans. 1839.

——— History of. Dr. James Burnes. Appendix to Visit to Scinde, 1 vol. 8vo.

——— Runn of, an extraordinary salt-water marsh, covering 7,000 square miles, or a larger area than that of Yorkshire, about one-fourth that of Ireland; evidently the dried-up bed of an ancient inland sea; it was again lowered in its level by the earthquake of 1819. McMurdo's account of traditions regarding in 1815. Appendix to Burnes' Bokhara Travels.

——— Account of. Sir A. Burnes' Travels; Lyell's Geology.

——— Grant on. Lond. Geol. Trans. *ut sup.*; Fulljames, &c. (See Runn.)

Cuttack, or Orissa Proper, belonging to the Rajah of Ungool. Account of. A. Stirling. As. Res. vols. xi. xii.; Cal. Rev. 1848, vol. ix. 190.

——— Frightful inundations in, in 1823 and 1831; destruction of lives estimated at 10,000—the entire population of 300 villages said to have been destroyed. G. A. Prinsep on Saugor island, 1832. Bl. As. Trans. 1832, vol. i. 25.

Cuttack. Khonds, inhabitants of. Captain McPherson on. Calcutta 1842, published by Government.

——— Captain Kittoe's account of hill Newra; supposed to contain coal. Corbyn's India Review, 1839, 30.

——— Journal of a march from Barrackpore to. Captain Kittoe. Corbyn's India Review, 1838-39—a long succession of papers.

Cyclones. A name given to the furious tempests formerly known as taffoons, typhoons, or hurricanes, because of their being uniformly found to be whirlwinds. They revolve round a centre, while the centre itself advances,—so sweeping with destructive violence over vast areas of sea. —Capper's (Colonel) notice of Trade Winds and Monsoons. 1 vol. 4to. 1800.

——— Dr. Blane's account of Barbadoes hurricane of 1780. Edin. Royal Soc. Trans. vol. i.; Phil. Trans. 1698; Horsburgh's Dictionary; Preface to Piddington's Hornbook of Storms, 1851.

——— Redfield's discovery of the law of storms.

——— Colonel Sir W. Reid on. London, 1 vol. 8vo. 1838.—Edinburgh Review on. 1849. Sir D. Brewster.

——— Law of Storms, and variable winds. Reid. London 8vo. 1849.

——— Thom, Dr., H. M.'s 86th foot. Inquiry into the nature and cause of storms. London, 1845.

——— Piddington's memoirs on the following storms published in the Bengal Asiatic Transactions from 1842 to 1852:—

1780, July 17. In China Seas. One ship alone said to have been saved. Loss of life amongst Chinese estimated at 100,000.

1797, June 19. In China Seas, near Macao.

1803, September 22 and 23. China fleet experienced a tremendous hurricane off the China Seas.

1837, June 17. Bombay centre. Courier newspaper, and Asiatic Journal.

1839, June 2 and 6. Mouths of Ganges. Bl. As. Trans. vols. viii. xxii.

September 21. Ibid, vol. ix. 397.

November 16 and 22. Off Coringa, Coromandel Coast.

1840, April 27 to May 1. Bay of Bengal and Cuttack.

September 22 and 24. In China Seas. *Golconda,* with troops and all on board, lost.

1842, June 2 and 3. Calcutta: centre passed over the city.

October 22 and November 1. Madras and Arabian Sea.

October 2 and 3. Pooree and Cuttack.

October 5 and 6. Gya and Patna.

1843, May 21 and 23. Madras and Masulipatam.

November 26, December 2. Bay of Bengal, and Southern Indian Ocean.

1844, November 9 and 13. Andaman Sea, and Bay of Bengal.

1845, February 22-27. Off the Mauritius. *Charles Heddle's* storm.

1846, March. Southern Indian Ocean.

1847, April 19. *Cleopatra's* hurricane, Arabian Sea. (See Thom and Carless.) Bom. Geo. Trans. vol. vii.

1848, January 13 and 15, April 20 and 21. *Jumna's* hurricane.

October 12 to 14. Bay of Bengal.

1850, April 23-28. Bay of Bengal.

1851, April 30, May 6. Bay of Bengal—H. M.'s Ship *Fox.*

——— Tracks usually pursued by, in Bay of Bengal, from 1800 to 1846. Bl. As. Trans. 1847, vol. xvi. 847, with map. Mr. Piddington mentions that all the Cyclones in the Bay of Bengal seem to emanate from near the centres of volcanic action, and to stretch north-westerly. Their distance, and the rate at which they approach, may be calculated from the barometer. (See Piddington.)

——— Capt. R. Methven on *Blenheim's* hurricane, 1851. Narratives written by sea commanders, No. i.; Lond. Pamphlet, 1851.

Cylinder and gems found near Herat, marked with cuneiform characters. Account of. As. Res. vol. xl. 316.

D

Dacca. Statistics and topography of. Dr. Taylor. Pamphlet. Calcutta, 1840.

Dalmahoy, Dr. On the meteorology of the Neilgherry Hills. Lond. As. Trans. vol. ii. 33.—On the meteorology of Maulmain.

Dalrymple's Oriental Repertory. Lond. 1793.

Damascus blades. (See Abbott.) Wilkinson on the manufacture of. Lond. As. Trans. vol. iv. 187; Lardner's Cyclopædia, Arts. Iron and Steel.

——— Method of renewing the flowery grain of steel swords called Damascus blades. As. Jl. 1817, vol. iii. 470; 1818, vol. vi. 38.

Damooda valley. Coal in. (See Coal.)

Dangerfield, Captain. Geology of Malwa. Malcolm's Central India, 1824, Appendix. 2 vols. 8vo.

Darwin, C. On the formation of coral reefs. Lond. 1840, 8vo.

Darjeeling, Sikkim hills. Account of, as a sanatory station. Capt. Herbert. Gleanings in Science, vol. ii. 28, 30.

——— Climate of. Bl. As. Trans. 1837, vol. vi.

——— Guide to. Samuel Smith and Co.'s Calendar. Calcutta, 1845.

——— Itinerary from Phari, in Thibet, to Lassa and Darjeeling. Dr. Campbell. Bl. As. Trans. 1848, vol. xvii. 257.

Dawson. Lieut. R. N. Description of a remarkable white appearance of the sea in the Indian Ocean. Mad. Lit. Trans. vol. ix. 148.

Dekkan. On the land tenures of—the cause of the frequency of famines in the. Sykes. Lond. As. Trans. vol. ii. 77, 104.

——— On the modern deities worshipped in the. Stevenson on. Ibid, vol. vii. 105.

——— On the atmospheric tides of the. Sykes. Phil. Trans. 1835, part 1, 61.

——— Geology of the. Sykes. Lond. Geol. Trans. 1836; reprinted Mad. Lit. Trans. 1836.

——— Statistics of the. Sykes. Rep. Brit. Ass. 1838; reprinted Mad. Lit. Trans. 1839, 150.

——— Catalogue of mammalia of the. Sykes. Lond. Zool. Trans. 1830; reprinted Bl. As. Trans. vol. i.

——— Reptoreal and Incessoreal birds of the. Ibid, 1832; reprinted Bl. As. Trans. vol. iii.

——— Special report on statistics of the former cultivators of the, under the British Government. Sykes. Rep. Brit. Ass. 1837, vol. vi. 217—333; extent and physical circumstances, and geology, 219; climate, 231; botany, 239; zoology, 243: civil divisions, 253; population, 261; land tenures, 281; revenue, 295; antiquities, 311; wars, 323; manufactures, 325; coins, weights and measures, to the end, 333.

——— Chaplin's report on the. Bombay, 1824.

——— Scott's history of the. Shrewsbury, 1794, 2 vols.

——— Mahomedan Invasion of the. Lond. As. Trans. vol ii. 223.

DelHoste, Captain. Memoirs on Scinde. Bom. Geo. Trans. vol. i. 22.—On the Nerbudda river. Ibid, 174.—Journal of a march from Ahmedabad to Sukkur, Upper Scinde. Ibid, 1830, vol. iii. 146.—Notes on the meteorology of the Phoonda Ghaut. Ibid, vol. ix. 19.

Deluge in China. Remarks on the historical records of. Lond. As. Trans. vol. ii. 261.

——— Account of, in Vedas. Berlin, 1849. Dr. Weber's Indische Studien, vol. i.

Deoghur, zillah of Bhagulpore. Valuable copper, lead, and silver ores found at. (See Copper and Beerbhoom.)

Deva, Radakhanta. Sanskrit Lexicon. Calcutta, 1819, 4to.

Desatir, or sacred writings of the ancient Persian prophets. Mulla Feroz bin Caus. Bombay, 1818, 2 vols. 8vo.

Desert. Remarks and occurrences on a journey from Alleppo to Bussora by way of the, in 1765. W. Beaves. As. Jl. 1817, vol. iii. 568.

Deyrah Dhoon, a valley in Northern India; average height about 2,000 feet above the level of the sea; cut off from the Doab of the Ganges and Jumna by the Sevallick hills. Its past and present condition. Bl. As. Trans. vol. vii. 250.

——— On condition of the. Lieut. J. McDonald. Ibid, vol. iii. 250.

Dhakgond, an exudation from the butea frondosa. Lond. As. Trans. vol. vii. 145; ; As. Res. vol. iii. 469; Bl. Agri. Trans. 1852, vol. viii. 24.

D'Herbelot. Bibliotheque Orientale. Hague, 1798, 4 vols.

Dhrishananda Misra. Genealogical account of the Kulnis. Unpublished. Cal. Rev. 1844, vol. ii. No. ii.
Diamond. The Mattan described. Lond. As. Trans. vol. ii. 502.
——— Mode of working the, in India. Ibid, 499.
——— Account of the largest known. Ibid, 505.
——— Dr. Vosey on. As. Res. vol. xv.
——— Lieut. Ouchterlony on diamonds of Cuddapah. Mineral Report. Madras, 1841.
——— mines at Partyall. Lond. As. Trans. 1822, vol. xii. 228.
——— ——— in India. Heyne's Tracts, 92.
——— ——— Golcondah, Ceded Districts. Newbold. Lond. As. Trans. vol. vii. 220.
——— ——— Malcolmson on. Lond. Geol. Trans. 1837.
——— ——— of Banjar Massing. Lond. As. Trans. vol. ii. 501.
——— ——— of Panna, in Bundelcund. As. Res. vol. xviii. 100.
——— ——— of Borneo. Lond. As. Trans. vol. iii. 17.
——— On some strange peculiarities of the cutting of the Koh-i-noor. Sir D. Brewster. Rep. Brit. Ass. 1852; London Athenæum, September 18, 1852; reprinted Bombay Times, October 23.
Dickinson. Notes and observations on a dissertation on the antiquity of the Armenian language; an inquiry into the fate of the ten tribes of Israel, &c. Lond. As. Trans. vol. iv. 217, 333.
——— Lieutenant. Observations on the ancient intercourse with India. Lond. Geo. Trans. 1836, vol. vi. part 1, 113.
——— J. W. Remarks on the Arabic language. Lond. As. Trans. vol. v. 316.
Digby's tour through Southern India, &c. in 1821-22. Lond. 1823, 1 vol.
Dinajpore. State of agriculture in. (See Carey.)
——— Description of. (See Buchanan.)
Diseases, remarkable, in India; beri-beri, cholera morbus, elephantiasis, pestilence of Goojerat, and Pali mahamurree. (See *seriatim.*)
Dixon, Colonel, Bengal Artillery. Sketch of Mhairwarra. Lond. 1850, 1 vol. 4to.—Calcutta Review on. No. xxx.
Dodabetta, the highest point on the Neilgherries, or in Hindustan Proper, lat. 11° 22′ N., long. 76° 67′ E., height 8,640 feet; the site of an observatory, under the astronomer at Madras. Meteorological observations at. Madras, 1848.
Dolomite, magnesian limestone, in the Nerbudda. Prinsep. Gleanings in Science, vol. i. 207.
Dollar's topography of Kemaoon. Calcutta, 1840, 1 vol.
Doveton, Capt. F. B. Sketches of Southern India, Mysore, &c. 1846.
Dow's history of Hindostan. Lond. 1792, 3 vols.
Dowlutabad. Statistical report on Circars. Dr. W. H. Bradley. Mad. Lit. Trans. vol. xvi. 431.
Drawing paper. Size for, when spoiled. Gleanings in Science, 1829, vol. i. 92.
Drugs, Indian. Fleming's catalogue of. As. Res. vol. xi. 153. (See Ainslie, O'Shaughnessy.)
Drummond, Captain. Mines and mineral resources of Northern Affghanistan. Bl. As. Trans. 1841, vol. x. part 1, 74.—On the copper mines of Kemaoon. Ibid, vol. vii. 934.—Correspondence on the natural resources of Almorah. Extracts from Public Papers N. W. Provinces; Bombay Telegraph and Courier, October 24, and November 19, 1849; Mofussilite, November 10, 1849.
Druses' particulars relating to the copper mines of Kemaoon. As. Jl. 1820, vol. x. 654.
Dubois, Abbe J. A. Manners and customs of the people of India. Lond. 1817, 4to.—Account of Hindoo ordeals. Mad. Lit. Trans. 1827, 108.
Duff, Alexander, D. D. India and Indian missions. Edin. 1839.
——— Capt. J. G. History of the Mahrattas. 3 vols. 8vo. Lond. 1836.
Dunbar, Dr. On coal near Hazareebagh. Bl. As. Trans. 1841, vol. x. 300.
Duncan, Dr. A. Thermal springs in the Konkan. Bom. Med. and Phys. Trans. 1838, vol. i. 257.
——— Jonathan, Governor of Bombay. Narrative of Guicowar's affairs. Lond. As. Trans. vol. iv.
Dunds. Ponds or lakes on the line of the river Narra, from Sukkur to Omercote, about 100 miles. The Narra is only filled with water during the inundation, and even this not often: it never reaches the sea, but is lost in the sand near Omercote. Betwixt this and Sukkur there are 360 dunds, most of which contain water throughout the year. They are from 300 to 400 yards across, but often many miles in length. They all become brackish during the hot weather. They abound in fish. Captain DelHoste. Bom. Geo. Trans. vol. ii.

Durand, Lieut., (now Major, Resident Bhopal; from 1842 to 1844 Private Secretary to the Governor General,) Bengal Engineers. On Dadapoor fossils. Bl. As. Trans. vol. v. 291.—On the Barometer. Ibid, 301.—On fossil rhinoceros. Ibid, 486; carnivora, 570; shells, 661; quadrumana, 730.

Dyeing. Art of, among the Tenasserim people and Malays. Lond. As. Trans. vols. iii. 202; vii. 74.

——— cotton. Method of, on Coromandel Coast. Heyne's Tracts.

——— kharwa cloth, in Bundelcund. Mode of. Translation of Persian account. Bl. As. Trans. vol. iii. 158, 159.

E

Earthquakes in India, up to 1841. List of. Capt. Smith. Bl. As. Trans. 1842.

——— in Cutch, in 1810. Lyell's Principles of Geology.—McMurdo's account of. Bom Lit. Trans. 1819, vol. iii.

——— Burnes' account of, in Western India, May 28, 1848. Bombay Times, 1848.

——— in some districts of Calcutta, Muttra, Chunar, Mirzapore, and various other places in India. As. Jl. 1820, vol. ix. 384.

——— in India, in June 1819. Ibid, vol. x. 435.

——— at Serrang. Ibid, 1817, vol. iii. 66.

——— at St. Rosa, island of Bourbon. Ibid, 1822, vol. xiii. 201.

——— at Kaira, Demaun, Bombay and Ahmedabad. Ibid, 203.

——— at Batavia, in 1822, 1823. Ibid, 365, 614.

——— at Macao, in 1824. Ibid, vol. xviii. 488.

——— in Mysore, 15th September 1708.—Dubois' account of, in Dr. James Anderson's correspondence, 104. Madras, 1800.

——— at Ganjam. Notice of. Mad. Lit. Trans. vol. vi. 246.

——— in North-west Provinces. (See Smith.)—In Assam. (See Hannay.)

——— tracks of 1819, 1838, February 1842, 1848, January 24, and March 31, 1852. Map accompanying paper on volcanoes in India. Dr. Buist. Bom. Geo. Trans. 1852, vol. x.

Earl, G. Narrative of a voyage from Singapore to the coast of Borneo. Lond. As. Trans. vol. iii. 1.—Sketch of. Ibid, vol. iv. 174.

East Indian, or Eurasian community. Cal. Rev. No. xxi.

Eastwick, Captain Edward, Bombay Army, Assistant Political Agent, Scinde, 1839—1842; Professor of Hindee, Hindustani, and Mahratta, Haileybury. Vocabulary of the Scindee language. Bl. As. Trans. 1843, vol. xii. 1.—Dry leaves from Modern Egypt. Lond. 1847, 8vo.; 2nd edn. 1852.

Edgeworth, M. P., Bengal Civil Service. Couple of hours' herborization at Aden. Bl. As. Trans. 1848, vol. xvii. 1211.

Edible birds' nests. Lond. As. Trans. vol. iii. 45, 310.

Education. Laws affecting, in British India; former state of, in India. Trevelyan on. Friend of India, 1839, 178, 194, 200.

——— Female, in Bengal. Ibid, 1850, 308.

——— Vernacular and English. Ibid, 820.

——— Vernacular. Ibid, 1841, 680.

——— State of, in Bengal and Behar. William Adam. Calcutta, 1838, 1 vol.

——— Early, or exclusively Oriental period of. Cal. Rev. vol. iii.

——— Review of Native education in Bengal, from 1835 to 1851. Principal Kerr, Hooghly College. Part 1. Calcutta, 1852; Cal. Rev. Nos. xxvi. xxxiv. xxxvi.

——— Blue Book on East Indian affairs. 1832.

——— Return of schools and pupils in India. Blue Book, 1852, vol. ii.

——— Colonel Sykes on statistics of. Rep. Brit. Ass. 1848.

——— Minutes on, by Lord William Bentinck, Lord Auckland, Lord Hardinge, and Sir J. Carnac. Annual Report on, for 1840; As. Jl. 1840-41-42.

——— Mr. Campbell, Madras Civil Service, on. Mad. Lit. Trans. vol. ii.

——— Native, in Southern India. Ibid, vol. i. 350.

——— in Madras. Dr. Balfour. Ibid, vol. xvi. 180.

——— Native. Ibid, vol. iii. 101.

Edye, J. J. On the Native vessels of India and Ceylon; Malabar and Coromandel Coasts. Lond. As. Trans. vol. i. 1—15.—Description of sea-ports on Malabar Coast. Ibid, vol. ii. 324.

Electricity. Memoranda on telegraphic signals. Dr. O'Shaughnessy. Bl. As. Trans. 1839, vol. viii. 714.

Electric telegraph. Account of, completed at Calcutta, 1852. 1 vol. 8vo. printed by Government.

———— Calcutta. History of progress and completion of. Friend of India, October 28, 1851, 674. In full operation from April—by the end of the year 82 miles at work.

———— Dr. O'Shaughnessy's papers on. Extracts from public papers, June 1852.

Elephanta and Ellora. Busts of Siva in the cave-temples of. Lond. As. Trans. 1845, vol. v. 324.

———— Island of, Bombay harbour. Description of caves of. W. Erskine. Bom. Lit. Trans.

———— Visit to, by Capt. Basil Hall. The sculptures of Behistan, in Persia, compared. As. Jl. 1816, vol. ii. 546.

———— Dr. Stevenson's account of caves of. Bom. As. Trans. 1852.

———— storm, occurring at the close of the monsoon. Origin of name of, as occurring when the sun enters the constellation of the elephant. Bombay Times, 1841.

Elephants of Tavoy, Mergui and Martaban. As. Res. vol. iii. 43.

———— Osteology of. India Sporting Review, 1844; Bl. As. Trans. 1844, vol. xiii. 915.

———— Dr. Impey on singular disease occasioned by decomposition of. Bom. Med. and Phys. Trans. 1847.

———— Fossil gigantic bones of, from Nerbudda. Spilsbury and Prinsep on. Bl. As. Trans. 1847, vol. ii. 487.

———— Mode of catching, in Coimbatore. As. Jl. 1820, vol. ix. 134.

———— white, caught near Rangoon. Ibid, 1821, vol. xi. 258.

———— at Ava. Cause of several years' war between the Burmese and Siamese. Ibid, vol. xii. 258.

———— Entrapping of. Ibid, 1840, vol. xxxii. 281.

Elphinstone, Hon'ble Mountstuart. Report on the territories conquered from the Peshwa. Calcutta, 1821.—Cabool. Lond. 1815; 2nd edn. 1825, 2 vols.—History of India. Lond. 1841, 2 vols. 8vo.

———— Major General. Memorandum of the events at Cabool. As. Jl. 1843, new series, vol. i. 184.

Elliot, Sir Henry, Secretary to the Government of India. Glossary of Indian terms. A—J 1 vol. 8vo. Agra.—Index to the Mahomedan historians of India. 4 vols. Calcutta Review on. No. xxiv.

———— Walter, Revenue Commissioner, Madras. Hindoo inscriptions. Lond. As. Trans. vol. iv. I.—Catalogue of mammalia in the Southern Mahratta Country. Mad. Lit. Trans. 1839, vol. x. 92, 207.—On the language of the Ghonds, with a voca bulary. Bl. As. Trans. 1848, vol. xvii. 1140.—Illustrations of the history of Southern India. Lond. As. Trans. vol. iv. 1; Mad. Lit. Trans. vol. vii. 193.—Notice of an expedition into S. Africa, with description of new species of rhinoceros. Ibid, vol. xiv. 181.—Notice of the late Dr. Turnbull Christie. Ibid, vol. xv. 150.—Description of a new species of terrestrial planaria. Ibid, 162.

Ellis, F. W. Analysis of the copper deeds in the possession of the Jews of Cochin. Mad. Lit. Trans. vol. xiii. part 2.—On the law books of the Hindoos. Mad. Lit. Trans. 1827, 1.

Embankment of rivers in Bengal. Capt. Cunningham on. Bl. As. Trans. 1849; Cal. Rev. No. xvi.

Ethersey, Lieut. R. Account of the bore in the Gulf of Cambay. Lond. Geo. Trans. 1838, part 2. —Note on Perim Island. Bom. Geo. Trans. vol. iii. 55.

Ethnology, the science which treats of races. Indian. Hodgson on, with preface to work on. Bl. As. Trans. 1849, vol. xviii. 238. People of India divided into two great classes—the Tamalian or aboriginal, and Arian, or immigrant. Uniformity of Arian from Wales to Assam demonstrated.

Eusofzaie tribes of Affghanistan. As. Jl. 1841, vol. xxxv. part 1, 219.

Evaporation. Average, in Gulf of Akaba. Bom. Geo. Trans. (See Carless.)

———— at Aden. (See Mayes.)

———— at Bombay. Observatory Reports.

———— at Benares. Oriental Magazine, 1827; Gleanings in Science, 1829, vol. i. 336.

———— at Calcutta. Gleanings in Science, 1829, vol. i. 226.

————Observations on, at the Red Hills, near Madras. Lieut. Ludlow, Madras Engineers. Mad Lit. Trans. vol. xiii. part 2, 87.

Everest, Col. G., Surveyor General of India. Measurement of arc of meridian. 1830. Cal. Rev. No. vii.—Trigonometrical survey of India. Lond. 1847, 2 vols. 4to. Edinburgh Review on. April 1848, 392.

———— Rev. Mr. Fossil shells in the Himalayas. As. Res. 1833, vol. xviii. part 2, 107.—On the quantity of water and mud discharged by the Ganges annually. Prinsep's Gleanings in Science, vol. iii.; Bl. As. Trans. vol. i.; Lyell's Principles of Geology, 8th edn. 1851, 241.—Ruin and drought of the last eight seasons in India. Lond. 1847. 2 vols. 4to. Edin. Rev. on. 1848.—Geological observations from Calcutta to Ghazeepore. Gleanings in Science, 1831, vol. iii. 131.—Experiments and observations on quantity of mud brought down by the Ganges near Ghazeepore, with its depth and velocity. Bl. As. Trans. 1833, vol. i. 238, 549. (See Ganges.)—On the Gypsum of the Himalayas. Ibid, 450.

Eyre, Lieut. V., Bengal Artillery. Military operations at Cabool in January 1843.—Lond. 1843.—Journal of imprisonment in Cabool. Lond. 1843.

F

Falconer, Dr. J., Bengal Medical Service. Account of fossil bones at Hurdwar. Bl. As. Trans. 1837, vol. vi. 233.—On elastic sandstone. Ibid, 240.—On geology of Perim island, Gulf of Cambay. Lond. Geol. Trans. 1845, vol. i. 365.—Fauna Sivalensis, or the fossil fauna of the Sivullick hills. Cautley and Falconer. Lond. 1846, folio, still unfinished.

Famine, in India, in 1833. As. Jl. new series, vol. xiii. part 2, 21, 26, 66, 98, 100, 146, 167, 230 273. At Lucknow, in September, 50,000 persons perished of famine and cholera in a few days; at Hydrabad, Malwa, Bahawulpore, Indapore, and Oodipore, the whole crops were destroyed by locusts; in Cashmere, 25,000 people are said to have perished; at Lahore, mothers eat their children.

———— Shocking effects of, described. As. Jl. new series, vol. xiii. part 2, 96, 155, 156, 168.

———— at Herat, in 1832. Gerrard's account of. 25,000 persons perished. Ibid, 165.

———— in Bundlecund, 1834. 600 persons died. Ibid, vol. xvi.

———— in 1837. Ibid, vol. xxvi. part 1, 1, 89, 177, 266.

———— in 1838. Ibid, vol. xxvii. part 1, 12, 180.

———— at Cawnpore. A million and a half sterling of subscriptions realised and distributed; 1,200 persons died; 1,300 were fed daily. Ibid, 273.

———— in Guntoor, in 1833. Capt. Best. In this famine, 150,000 human beings died of starvation, 74,000 bullocks, 159,000 milk cattle, and 300,000 sheep and goats. The loss of revenue occasioned to Government during the fifteen following years exceeded two and a half millions sterling. Mad. Lit. Trans. 1844, No. xxx. 186.

———— in Nagpore, in 1819. The price of jowarry rose from Rs. 5 to Rs. 30 per candy. As. Jl. 1820, vol. ix. 79.

———— in Cashmere. Ibid, 1834, new series, vol. xiv. part 2.

———— in Cutch, horrible effects of. Ibid, 262.

———— in Marwar. 50,000 people perished. Ibid, No. xxxvi. 106.

———— at Ajmeer. Ibid, vol. xv. part 2, 198.

———— in Midnapore district. Ibid, 202.

———— in Cuttack. Ibid, 1837, vol. xxiv. part 2, 247.

———— at Futteghur, Shahjehanpore, Calpee, and Singbhoom. Ibid, 285.

———— in the Upper Provinces. Ibid, 1838, vols. xxvi. part 2, 20, 69, 78, 144, 184, 212—214, 237; xxvii. part 2, 88, 93, 148, 154, 190, 195, 280, 281, 327.—Meeting at Calcutta respecting. Ibid, vol. xxvii. part 2, 70, 185. 500,000 lives lost.

———— in the Doab. Ibid, 188.

———— in Kattiwar. Ibid, 1839, vol. xxx. part 2, 67, 119, 123.

———— in Cutch. Ibid, 1839, vol. xxviii. part 2, 200, 226.

———— Meeting at Glasgow respecting the famine in India. Government assistance during the famine at Agra. Relief Fund, Bengal. Ibid, 1840, vol. xxxi. part 2, 28.

———— in India. Ibid, 1840, vols. xxxii. part 2, 100, 315; xxxiii. part 2, 204, 277.

———— Chronology of, 1841. Montgomery Martin on. 1640—1655, 1661, 1764—1766, 1770, 1782, 1792, 1803, 1804, 1819, 1820, 1824, 1832, 1833, 1836, 1837, 1838. Ibid, vol. xxxvi. 105.

Famine anticipated in the Upper and Lower Provinces of Bengal. As. Jl. 1842, vol. xxxix. 103.

—— Remarks on the Revd. Robert Everest's paper, published in the Statistical Journal, in which are adduced facts to show that unfavourable seasons in India are periodical. Ibid, 1843, vol. i. 3rd series, 408.

—— in Cashmere. As. Res. vol. xv. 32, 62.

Farquhar, John, afterwards Font Hill. Correspondence with Government on iron manufactures, 1777—1780. Bl. As. Trans. 1843, vol. xii. 558, 562.

Female education in India. (See Education.)

—— —— in Calcutta. Calcutta Government Gazette, December 18, and John Bull, December 19, 1828; As. Jl. 1829, 725.

—— Examination of schools at Serampore, February 1828. As. Jl. 1828, vol. xxvi. 354.—At Bombay, in 1825. Mr. Allen's account of. Bombay Guardian and Bombay Times, December 1851.—At Bombay, in 1850. Fifth Report of the Student's Literary Society, *passim.*

—— infanticide. Parliamentary Papers; Calcutta Review, 1845; London Quarterly Review, 1852; Oriental Christian Spectator, *passim.*

Ferguson, J. On the rock-cut temples of India. Lond. As. Trans. 1836, vol. iii. 30.

Festivals, Native. Bombay Almanacs.

—— Hindoo. Professor H. H. Wilson on. Lond. As. Trans. 1848, vol. ix. 43.

—— Mohurrum. Ceremonies of. Mahomed Tippoo on. Mad. Lit. Trans. vol. ii. 315.

—— Charrack Sanyasa, erroneously called Poojah. Ram Comul Sen on. Bl. As. Trans. 1833, vol. ii. 609.

—— Hoolee, in Malwa. Khan Ali on practices of, in these districts. Bl. As. Trans. 1840, vol. ix. 311.

Fishes, Indian. Cantor's notes on. Lond. As. Trans. vol. v.

—— of the Ganges. Hamilton on. Lond. 4to. with plates.

—— of the Deccan. Sykes on. Lond. Zool. Trans.

—— of the Coromandel Coast. Dr. Russel. Lond. 2 vols. folio.

—— musical, at Bombay. Bombay Times, Jan. 9, 1847; Chambers' Edinburgh Journal.

—— near Borneo. Voyage of *Samarang.*

—— Showers of, at Benares. Bl. As. Trans. 1833; As. Jl. 1844; Bombay Times, 1840.

—— Remarks on. Capt. Grant. Trans. Civil Engrs. and Naut. Mag. 1838.

—— of Ceylon. Bennett on. 1 vol. 4to. On the Indian cyprinoidæ. Dr. McClelland. As. Res. vol. xix. 217.

—— of the Bay of Bengal. Dr. Cantor on. Lond. As. Trans.

—— Malayan, catalogue of. Dr. Cantor. Ibid, 1849, vol. xviii. 984.

—— ground, of Bootan. (See Bora Jung.)

—— Showers of. At Madras, fell on the soldiers' caps. Harriet's Military Reminiscences; Rep. Brit. Ass. 1840.

—— —— betwixt the Jumna and Ganges: the ground covered with them after a storm. Bl. As. Trans. 1834, 367.

—— —— Always found in swarms all over the island of Bombay after the fall of first rain in June. Ground covered with them at Rajkote, after furious rain, July 25, 1850. Bombay Times, August 1850. At Poona, August 3, 1852.

—— —— At Meerut, July 1824, the men of H. M.'s 14th, when out at drill, caught them falling in their hats. Rep. Brit. Ass. 1840. (See Showers.)

Floods in India, in 1849. Dr. Buist's account of. Edin. Phil. Jl. 1851; Bl. As. Trans. 1851.

—— of the rivers in India: Ganges, 1838, rose 45 feet above the usual level; swept away Burree Bund, and laid the town four feet under water. Agra Ukhbar, August 30, 1839; As. Jl. 1839.

—— at Agra. As. Jl. 1838.

—— Nerbudda; inundations at Hussingabad. As. Jl. April 1839.

—— Indus, 1841, seemed to have been for some time ponded back, when a terrific flood swept over Attock, and all the country around. Dr. Falconer's account of. Bl. As. Trans. 1843, vol. x.—Dr. Jameson's account of. Ibid, vol. xii.—Hill supposed to have been tumbled into it by earthquake so high up as never to have been heard of; body of a woman dressed in sheep-skins thrown ashore at Attock, supposed a Thibetan: 10,000 lives said to have been lost. As. Jl. 1841, vol. xxxv. 196, 264.—Capt. Abbott's account of, from lips of Natives. Bl. As. Trans. 1841, vol. x. 230.—Hundreds of villages and towns including Khyra-

bad and Attock, and thousands of human beings and cattle, swept away. In the Hazara country, artillery guns, with many hundreds of Infantry and cavalry, were lost; a whole camp, with troops and followers, were carried down the river.

Flood in delta of Ganges, October 8, 1831; 50,000 lives lost near Balasore—17,574 people drowned; 1832—2,000 same neighbourhood. As. Jl. 1833, vol. xlii.

——— at Coringa, December 1839. Hurricane sea-wave rose 8 feet above the level of Coringa village; inundation covered 30 miles of country; above 7,000 people drowned; £100,000 worth of property destroyed on shore; at sea 70 vessels were lost, with about 700 lives. (See Inundation.)

——— in China, near Canton. 18,000 drowned Nov. 1833. Ibid, 1834, vol. xiv. 259.

——— Taptee, Surat, August 6, 1837: 500 houses said to have been destroyed—loss estimated at betwixt thirty and forty lakhs of rupees (£300,000 to 400,000); a lakh and a half (£15,000) subscribed at Bombay to supply the sufferers with grain.

——— on the coast of Canara, Malabar, August 1818. Edye on. Lond. As. Trans. 1835, vol. ii. 342.

Flora of India. Dr. Royle's geographic distribution of. Rep. Brit. Ass. 1846, part 2, 74. (See Botany, Arnott, Roxburgh, Graham, Wallich, Wight, &c.)

Floyd, J. Account of whirlwind, April 8, 1838. Bl. As. Trans. vol. vii. 422.

Foraminifera. Fossilized state of, in Arabia. Dr. Carter. Bom. As. Trans. 1849, vol. iii. 173.

Forbes, Professor E., London. Report on fossils from Southern India. Lond. Geol. Trans. 1845, vol. i. 79.

——— Oriental memoirs. Lond. 1813, 4 vols.

——— Colonel. Travels in Western India. 4to.

——— Dr. A. Account of Mullani and Balmir. Bom. Geo. Trans. vol. iii. 7.

Forrest, Col. Picturesque tour along the Ganges and Jumna. Lond. 1824.

Forests. Influence of, on climate, in hot countries. Dr. Balfour on. Mad. Lit. Trans. 1840.

——————— Lieut. Parish on. Bl. As. Trans. 1849, 18, 791.

——————— Dr. Cleghorn on. Rep. Brit. Ass. 1850.—Capt. H. Stracey *versus* London Athenæum.

——————— Dr. Gibson on. Bom. Agri. Trans. 1852.

Fossils of Pondicherry, and the districts of Southern Arcot. C. T. Kaye on. Mad. Lit. Trans. vols. xii. 37; xiii.

Foster's journey from Bengal to England. Lond. 1798, 2 vols.

Franklin, Capt. Diamond mines of Punna, in Bundelcund. As. Res. vol. xviii. 100.—Geology of Bundelcund, &c. Ibid, vol. xvii. part 1, 23.—Waterfalls in Bundelcund. Ibid.

——— W. Researches on the tenets and doctrines of the Jains and Buddhists. Lond. 1827.

Frankincense Country. Description of. Lieut. Kempthorne, I. N. Bom. Geo. Trans. 1841, 1844, 402.

——— gum, chiefly procured from Northern Africa. (See Kempthorne's visit to Frankincense Country.) Bom. Geo. Trans. 1844, 402.

——— Dr. Carter on. Bom. As. Trans. vol. iii. 380.

Fraser, James. Life of Nadir Shah. Lond.—Journal of a tour in the Himalayas, and sources of the Jumna and Ganges. Calcutta 1820.—Sources of the Jumna and Bagiruthee rivers. As. Res. vol. xiii. 172.—Tour in the Himalaya mountains. Lond. 1820.

Freshwater fishes of India. (See Jerdon.)

Frogs, fossil. Notice of rocks in the neighbourhood of Bombay containing. G. Clark, Lond. Geol. Trans. vol. iii. 122. (See Drs. Buist, Carter, and Leith on the Geology of Bombay.)

Fryer, Dr. Account of India. 1 vol. folio. Lond. 1698.

Fulljames, Capt. Account of the island of Perim. Bom. As. Trans. vol. i. 18.—Visit to the Rajpeepla hills, and account of the cornelian mines. Bom. Geo. Trans. vol. i. 8.—Report on the floods of the Taptee at Surat, in 1837. Ibid, vol. vii. 352.—Account of borings and strata passed through at Gogo. Bl. As. Trans. 1837; Bom. As. Trans. 1841, vol. i. 25.—Account of a singular hollow near Ahmedabad, called the Boke, supposed volcanic. Bom. Geo. Trans. vol. vii. 164.—Present and former state of Runn of Cutch. Ibid, vol. viii.

G

Gamboge, discovery of, in Ceylon. Colonel and Mrs. Nicholay. Dr. Wight on. Mad. Lit. Trans. vols. iii. 428; ix. 121.

——— tree of Ceylon; description of. Dr. Graham (Bot. Prof. Edinburgh). Companion to Botanical Magazine, No. xix. 103; reprinted Mad. Lit. Trans. vol. vi. 245. By the Revd. F. Masson, in Assam. Bl. As. Trans. 1847, vol. xvi. 661.

Gang Robbers, account of. Lond. As. Trans. vol. i. 159, 288.

Gangakondar, town of. Ibid, vol. iii. 174.

Ganges, river, on the eastern boundary of Hindoostan. Its direction on entering the plains of India. As. Res. vol. v. 273; towns on its banks, 275.

——— issues from the Bindu-sarovara. Ibid, vol. vi. 474, 488; overflowings restrained, 475; tides explained, 478; sacred, 490.

——— On the course of the, through Bengal. Ibid, vol. vii. 1; smaller rivers and branches of, 23.

——— flows from Meru. Ibid, vol. viii. 309, 318; runs through Cumarica, Chanda or India, 330; called Trepathagá, and also Saptadha, 330; course described, 331.

——— Survey of the sources of the, in the Himadra or Emodus. Ibid, vol. xi. 429, 446.

——— a favourite deity of the Hindus, of its three Gangautris. Ibid, vol. xiv. 460; five mouths in the Antarvedi, 462, Bhagirathi, 465.

——— of Appolonius, king of the Indians, and slain by them—directed the course of waters into the Sea—his death avenged. Ibid, vol. iii. 353; not a male deity—Gangeya a celebrated hero—the Ganges led by Bhagiratha to the ocean, 354.

——— tutelary divinity of the house of Raghu. Ibid, vol. xvii. 614.

——— and Jumna. Journal of a survey to the heads of the rivers. Ibid, vol. xiv. 60; various names of, 381; its waters of a muddy yellowish colour, 396; its issuing from under the feet of Vishnu, falling into the Manosarovara lake, then alighting on the head of Mahadeva, and thence descending into the Bindusarovara, 455; of the soil of its banks near Pádanta, 458.

——————— Sources of the. (See Colebrooke.) Ibid, vol. ix. 429.

——————— Course of the.

——————— Observations on journey to head of Ganges, (See Hodgson,) and picturesque journey along Jumna. Forrest. Lond. 1824.

——— Plains of lower. Cal. Rev. 1848, No. xxii.

——— Account of source of. Capt. Hodgson. As. Jl. 1819, vol. vii. 168.

——— Rennel on. Phil. Trans. 1781.

——— Discharge in floud 405,000 cubic feet of water per second, including about 190,000 cubic feet of mud—during the floods 74 times the weight of the Great Pyramid carried down daily. Lyell's Principles of Geology, 1831, vol. i. 248.

——— Mud brought down by, about 639 grs. per cubic foot. Revd. Mr. Everest. Bl. As. Trans. 1832; Gleanings in Science, vol. iii. 185.—Corrects Rennel—mud of a season equal 56 pyramids—equal to the load of 1000 Indiamen discharging themselves daily for a year. Lyell *ut sup.* 8vo. 1850.

——— Lieut. R. H. Colebrooke on. As. Res. vol. vii. 1; 1832, vol. i. 289, 595.

Gangia, or Indian hemp, a powerful narcotic, used for procuring intoxication. Mode of preparing extracts of. Dr. O'Shaughnessy. Bl. As. Trans. 1839, vol. viii. 732; Chambers' Edin. Jl. 1830. (See Bhang.)

Ganjam. Macpherson's report of Khonds of districts of. Calcutta, 1842.

Garnet, found at Salem, Mysore, Nellore and Neilgherries. Lond. As. Trans. vol. vii. 224.

Geology of Cutch Bhooj. Capt. Grant. Lond. Geol. Trans. 1839.

——— of the country between Tellicherry and Madras. Babbington. As. Jl. 1819, vol. vii. 646.

——— of India. Cal. Rev. 1848, No. xxii.

——— of India, general observations on. (See Calder.) As. Res. vol. xviii.

——— of the Peninsula of India. (See Macpherson.)

——— of the Hydrabad country. Mad. Lit. Trans. 1827, vol. i.

——— of the island of Bombay, Dr. Carter's account of. Bom. As. Trans. 1852.

——— of the island of Bombay, Dr. Buist's account of. Bom. Geo. Trans. 1852, vol. x.

——— Notes on, of country between Madras and Neilgherry Hills, viâ Bangalore and Salem. Dr. Benza. Mad. Lit. Trans. vol. iv. 1.

Geology. Position and association of laterite or iron-clay formation of India; with description of that rock as found at Red Hills, near Madras. Dr. Cole. Ibid, vol. iv. 100.

——— Memoir of, of Neilgherry and Koondah Mountains, Dr. Benza. Ibid, vol. iv. 211.

——— On granite formation, and direction of primary mountain chains of Southern India. Capt. Allardyce. Ibid, vol. iv. 327.

——— Sketches of, and meteorology, agriculture, botany, and zoology of Southern Mahratta country. Dr. T. Christie. Ibid, vol. iv. 452.

——— Notes, chiefly geological, of a journey through the Northern Circars, in 1835. Dr. Benza. Ibid, vol. v. 43.

——— Sketch of, of Bombay islands. Dr. Thompson. Ibid, vol. v. 159.

——— of a portion of the Deccan. Lieut. Col. Sykes. Ibid, vol. vi. 344; reprinted from Lond. Geol. Trans. vol. iv. second series, which see.

——— A statistical and geological memoir of the country from Poona to Kittoor, south of the Krishna. Dr. Bird. Reprinted from Lond. As. Trans. which see. Ibid, vol. vi. 375.

——— Notes on certain mounds of a scoriaceous character, found near Bellary. Dr. Cole. Ibid, vol. vii. 130.

——— Description of Valley of Sondur, Pal Ghaut. Lieut. Newbold. Ibid, vol. viii. 128; Lond. Geol. Trans. 1838.

——— Basaltic districts of India. Malcolmson. Ibid, vol. viii. 200; reprinted from Lond. Geol. Trans. 1838.

——— Laterite formation. Dr. Clark. Ibid, vol. viii. 334.

——— of Bangalore, and other portions of Mysore. Dr. Clark. Ibid. vol. ix. 89.

——— Crystalline structure of the trap dykes in the selenite of Amboor. Lieut. R. B. Smith. Ibid, vol. ix. 287.

——— Trip through Kunawar, Hungrang, and Spiti, in 1838. Lieut. T. Hutton. Bl. As. Trans. 1840, vol. ix. part 1, 485, 555; 1841, vol. x. part 1.

——— Mines and mineral resources of Northern Affghanistan. Capt. Drummond. Ibid, 1841, vol. x. part 1.

——— &c. of Hunumkoonda, in the Nizam's country. Dr. Walker. Ibid.

——— Memorandum of, of Bundlecund and Jubbulpore. Dr. J. Adam. Ibid, vol. i. part 1, 1842.

——— Account of agate splinters found in the clay stratum bordering the Nerbudda. Capt. Abbott. Ibid, 1845, vol. xix. part 2, 756.

——— Notes, chiefly geological, across South India, from Pondicherry to Beypore, through the great gap of Paulghatcherry. Capt. Newbold. Ibid, 1845, vol. xix. part 2, 759.

——— On the Assam petroleum beds. Capt. P. T. Hannay. Ibid, 810.

——— On the occurrence of granite in the bed of the Nerbudda. Capt. Abbott. Ibid, 821.

——— Notes, chiefly geological, on the Coast of Coromandel. Capt. Newbold. Ibid, 1846, vol. xx. 204.

——— Geological features of Zillah Beker. Capt. W. S. Sherwell. Ibid, 55.

——— Notes, chiefly geological, from Koompta, in S. W. India, to Chittoor, comprising the diamond and lead excavations of Butwapur. Capt. Newbold. Ibid, 380.

——— Notes, chiefly geological, from Seringapatam to Cannanore. Capt. Newbold. Ibid, 315.

——— On the western coast of South India. Capt. Newbold. Ibid, 221.

——— On the tracts between Bejapore and Bellary. Capt. Newbold. Ibid, 1842, vol. ii. part 1.

——— From Bejapore to Bellary, viâ Kennighiri. Capt. Newbold. Ibid, 941.

——— Geological map of Capt. Herbert's Himalaya survey. Ibid, 1844, vol. xiii. part 1, 171.

——— Capt. Herbert's tour from Almorah through Kumaon. Ibid, 1844, vol. xiii. part 2, 734.

——— Extracts from the late Dr. Voysey's journals when attached to the trigonometrical survey in Southern and Central India. Ibid, 853.

——— Geological remarks during the march from Benares to Barrackpore. Dr. J. Row. Ibid, 862.

——— Notes, chiefly geological, across the Peninsula, from Masulipatam to Goa. Capt. Newbold. Ibid, 984.

——— Note on a curious sandstone formation at Tessarim, Zillah Shatabad. Lieut. Sherwell. Ibid, 1845, vol. xiv. part 2, 477.

——— Notes, chiefly geological, across the Peninsula, and Southern India, from Madras to Goa. Capt. Newbold. Ibid, 497.

——— Geological notes on the Peninsula, from Mangalore to Madras. Capt. Newbold. Ibid, 641.

——— local and relative, of Singapore, &c. J. R. Logan. Ibid, 1847, vol. xvi. part 1, 519; part 2, 667.

Geology. Report of the Kohistan of the Jullundhur Doab. Lieut. W. H. Parish. Ibid, 1848, vol. xviii. part 1, 281.

——— Probable results of a scientific research after metalliferous deposits in the Sub-Himalayan range, around Darjeeling. Dr. Irvine. Ibid, 1848, vol. xvii. part 2, 137.

——— Geological and mineralogical observations in the Hazara districts. Capt. J. Abbott. Ibid, 135.

——— Geological and mineralogical report on a portion of the Beloochistan hills. Capt. Vicary, Lond. Geol. Trans. vol. ii. 260.

——— Neighbourhood of Bombay, and certain beds containing fossil frogs. G. S. Clark. Ibid, vol. iii. 221.

——— Report on the country between the summit of the Malsej Ghaut and the Guntheree. H. Conybeare. Ibid, 225.

——— Introductory notes on Vicary's Memoirs on the geology of Scinde. Ibid, 331.

——— Notes on the geological structure of parts of Scinde. Capt. Vicary. Ibid, 334.

——— Description of fossil remains of Denotherium, &c. from Perim, Gulf of Cambay. Dr. Falconer. Ibid, vol. i. 563.

——— Geological appearance of the Malayan Peninsula. Lond. As. Trans. vol. i. 289.

Gerrard, Capt. A. Account of Kunawar, in the Himalaya Mountains, edited by G. Lloyd. Lond. 1841, pp. 800. Climate of Subathoo and Kotgurh. As. Res. 1825, 469.

——— Capt. P. Statement of weather for three years at Kotgurh and Subathoo. Bl. As. Trans. 1843, vol. xii. part 2, 749.

——— Dr. Spiti Valley, &c. Ibid, 1833, vol. xviii. part 2, 238.

Gholaum Hosain, mathematical and astronomical works by. Lond. As. Trans. vol. iv. 254—256.

Gibson, Dr. General sketch of climate of Guzerat. Bom. Med. Trans. 1838, vol. i. 1.

Gibbel Teer, volcano of, Red Sea, Dr. Kirk's visit to. Bom. Geo. Trans. 1844.

——— Bruce's account of. (See Travels, and Volcanoes.)

Glaciers, in the Himalayas. (See Strachey.)

Glasfurd, Lieut. Progress of the experimental mine in Kumaon. Bl. As. Trans. 1839, vol. viii. 471.

Glass, manufacture of in Southern India. Heyne Tracts, 1 vol. 8vo. 1814.

Goora Tribe, on the Southern coast of Arabia. Notes on. Dr. Carter. Bom. As. Trans. 1845, 195.

Goa, a Portuguese territory in Western India, sketch of. Revd. Denis Kloguen. 1 vol. 8vo. Madras, 1831.

——— Descriptive account of. As. Jl. 1824, vol. xxiii. 353.

——— and the Blue Mountains, account of. Lieut. Burton. Lond. 1 vol. 8vo. 1851.

Goat, white-haired Angora, account of. Lieut. A. Connelly. Lond. As. Trans. vol. vi. 159.

Gogo, a town on the coast of Kattiawar, on the west side of the Gulf of Cambay. Orlebar's account of geology of. Bom. As. Trans. 1842, vol. i. 104.

——— Fossils found near, Fulljames on. Bl. As. Trans. 1837, vol. vi. 778.

——— Boring for water near. Ibid.

Gohauk, falls of. Lond. As. Trans. vol. iii. 1—16.

Gold found on the Indus. Jamieson's account of. Bl. As. Trans. 1843; Bom. Geo. Trans. 1848.

——— Fleming's account. Ibid.

——— Abbott's account. Bl. As. Trans.

——— sand in the Amarabad district, Mr. Ravenshaw on. Bl. As. Trans. vol. ii. 625.

——— Capt. Herbert on. Physical Researches of the Asiatic Society. Ibid.

——— of Mysore. Lieut. Warren on. Bl. As. Trans. 1834, vol. iii. p. 463.

——— of Calicut. Ibid, 474.

——— in the Province of Malabar. Madras Literary Gazette, May 10, 1834. Known to Governor Duncan 1793. Remained neglected for 40 years, till surveyed by Madras Government. Thirty works in all, produce worth about thirty thousand rupees annually. Ibid.

——— in Kunawar. Gerrard's account of. Ibid, 1844, 175.

——— from mines in the Government, Ural. As. Jl. 1824, vol. xxviii. 612.

——— dust and diamonds. Major Ouseley's account of washing of, in Hera Khond. Bl. As. Trans. vol. viii. 1057.

Goldingham, J. Account of the island of Elephanta. As. Res. vol. iv. 407.

——— J. astronomer, Madras. Astronomical and meteorological observations by. 3 vols. folio. 1827. Measuring the length of the seconds pendulum at the equator. Ibid.

Goo Mountains, meteorological experiments at. Mad. Lit. Trans. 1837, vol. vi. 295.

Goodwyn, Capt. Application of asphaltic mastic to flooring, roofing, and hydraulic works, in India. Bl. As. Trans. 1843, part 2, vol. xii. 534.

Goojrat, process of working the Damascus blades of. (See Abbott.)
Goomsur, human sacrifice in. Friend of India, 1841, 408.
——— Notes on district of. G. W. Maxwell. Mad. Lit. Trans. vol. vii.
Goonong Mar-Opii, a sulphureous mountain in Java, account of a tour on. As. Jl. 1821, vol. xii. 224.
Gordon, Dr. Voyage down the Indus from Loodiana. Bom. Geo. Trans. 1836; Bombay reprint, vol. i. 8.
Gour, deserted city of, in delta of Ganges, former capital of Bengal; area 17 square miles, population once a million. Friend of India, No. viii.; As. Jl. 1819, vols. viii. 559; ix. 31.
Granite, quarrying and polishing among the Hindoos and Egyptians. Bl. As. Trans.
——— formation of Southern India. (See Allardyce.) Mad. Lit. Trans. 1836, vol. iv.
Grant, Capt. C. W. Memoir to illustrate a geological map of Cutch. Lond. Geol. Trans. 1839, vol. v. part 2, 289.
Greek connection with the East, Calcutta Review on. No. xxxi. Sept. 1851. Also Abbott.—Bactrian Numismatics, Bird, Burnes, Masson, Prinsep J. and T., Wilson H. H. and Revd. J.
Grounds, Lieut. Memoir on the country between Bagdad and the Hamreed Hills. (See Hamreed Hills.)
Giuseppe, Father, account of Nepaul. As. Res. 1807, vol. ii. 307.
Gungatharee. Report on country between Malsej Ghaut and. H. Conybeare. Lond. Geol. Trans. 1847, vol. iii. 225.
Guns, gigantic, in India. As. Jl. vols. v. 393; xix. 161.
——— Agra, a brass 1500-pounder, bore 23 inches, weight 50 tons, worth Rs. 53,000 as old metal. Ibid, 1819, vol. vi. 245.
——— Moorshedabad, length 17 feet, depth of bore 15, calibre 16 inches. (See Showers.)
——— Bejapore. As. Jl. 1819, vol. vi. 245.
Guntoor, frightful famine in, in 1833. Capt. Best, Madras Engineers. Mad. Lit. Trans. 1844. (See Famine.)
Gunpowder under water. O'Shaughnessy's account of the explosion of, by the galvanic battery. Bl. As. Trans. vol. viii. 851.
Guzerat, a large province, partly British, in Western India. Geology of notes on. A. B. Orlebar, Bom. As. Trans. 1841, vol. i. 103.
——— Desultory notes on. John Vaupel. Bom. Geo. Trans. vol. ii. 66.
——— climate of. Dr. Gibson. Med. and Phys. Trans. vol. i. 76, 136.
Gypsum, sulphate of lime. When broken in pieces about the size of road metal, and exposed for eight or ten hours to a heat short of redness, or sufficient to bake bread, and then pounded and sifted, it forms stucco. Found in the Himalayas opposite Sunsardhara, at Sealkote, on the Mussourie range, valley of the Aglar river. Capt. Cautley. Bl. As. Trans. vol. i. 294.
——— near Hit, on the Euphrates, in great beds. Dr. Winchester. Bom. Geo. Trans. vol. ii. 11.
——— in Malwa. Capt. Dangerfield. Appendix to Malcolm's Central India.
——— in Egypt, the Persian Gulf, and Scinde. Dr. Buist's account of. Bom. As. Trans. vol. i.
——— at Kalabagh, on the Indus. Dr. Jameson. Bl. As. Trans. vol. xii. 1843. Bom. Geo. Trans. vol. vii.
——— Dr. Fleming on. Bl. As. Trans. vol. xix.
——— Dr. Hunter's account of; in the Madras Presidency. Madras Athenæum, March 8, 1850; Madras Journal of Practical Horticulture, *passim*.
——— Capt. Vicary's account of. Lond. Geol. Trans. 1847, vol. i.
——— of the Himalayas, associated with Plutonic rocks. Colonel Everest. Bl. As. Trans. 1837, vol. i. 290; As. Res. vol. xviii. 216.
——— on the Flats of Bombay, now in the act of being formed. Dr. Buist on. Geology of Bombay, 189, 225. Bom. Geo. Trans. vol. x. 1852.
——— formation near Ras Mahomed, Red Sea. Ehrenberg on. Bom. As. Trans. vol. i.
——— on raised beaches, Madras, giving casts of shells. Dr. Hunter. Mad. Jl. of Arts and Sciences, No. xi.

H

Hai, or Ai, royal city of the Canaanites, site of, with notice of those of Nob, Arymaith, and other cities of Benjamin; Mount of the Amalekites, &c. Capt. Newbold. Bom. Geo. Trans. vol. viii. 335.
Hailstorms in India, list of. Dr. Buist. Bom. Geo. Trans. 1850, vols. ix. and x.; Report of British Association, 1851.
Haines, Capt., I. N., Political Agent, Aden. On the survey of the S. E. Coast of Arabia. Lond. Geol. Trans. vols. ix. and xv.—Currents in Straits of Babelmandeb. Ibid, 150.
Haines river, in N. W. Africa, Christopher on. Bom. As. Trans. vol. vi. 396.
Halsted, Capt. E. Report on the island of Cheedooba, on the coast of Arracan. Bl. As. Trans. 1841, vol. x. 350.
Hamilton. Account of Rohilla Affghans. Lond. 1787.—Formerly Buchanan. Account of Nepaul. Edin. 1819.—Description of Hindoostan. Lond. 1820, 2 vols.
——— Walter. East India Gazetteer. Ibid, 1815.
Hamreed Hills. Memoir on country between Bagdad and the. Lieut. Grounds. Bom. Geo. Trans. vol. vi. 407.
Hannay, Capt. Earthquakes in Upper Assam. Bl. As. Trans. 1843, vol. xii. part 2, 907.
——— S. F. Notes on ancient temples in Upper Assam. Ibid, vol. xvii. part 1, 459.
Hardie, Dr. Geology of Oodipoor. Edin. New Phil. Jl. vols. xiv. 263; xvi. 50, 278.—Geology of Bhurtpore. Ibid, vol. xiv. 76, 328.—Geology of the country from Baroda to Udyapoor. As. Res. 1833, vol. xviii. part 1, 82.—Geology of Central India. Ibid, 1833, part 2, 27.—Kunkur formation near Oojein. Reports Bl. As. Soc. Govt. Gazette, 1829; As. Jl. 1829-30.
Hajawich, country of Bisut, narrative of an excursion into, and the districts of Banian and Seghan. C. Major. Bom. Geo. Trans. vol. ii. 34.
Hart, Capt. S. V. W. Pilgrimage to Hinglaj, and mud volcanoes near. Bl. As. Trans. 1839; Bom. Geo. Trans. 1839.
Hawash river, N. W. Africa, chapter on. Bom. Geo. Trans. vol. vi. 345.
Hawkins, Capt. Mission to the Emperor Jehangir. Lond. As. Trans. vol. i. 317.
Hazarabagh, cave near. Dr. Dunbar. Bl. As. Trans. 1841, vol. x. 300.
Heat, remarkable, observed in masses of brine, kept for some time in a large reservoir. G. A. Prinsep. Lond. As. Trans. vol. vii. 207.
Heath, J. M., on the cultivation of cotton in India. Lond. As. Trans. vol. v. 372.—Introduction of the American plough into India. Ibid, vol. vii. 92.
Heatley. Development of the mineral resources of India. Bl. As. Trans. 1842, vol. ii. part 2, 84; 1843, vol. xii. part 2, 542.
Heber, Bishop R. Journal in India. Lond. 1828, 2 vols. 4to.
Heera Khoond. Gold dust and diamonds at. (See Ouseley.)
Helfer, Dr., Bengal Medical Service, a celebrated botanist, murdered by the natives of the Andamanns Jan. 1839. As. Jl. 1840, vol. xxxiii.—Notice of the Mergui Archipelago. Ibid, vol. xxxiii. —Report on Tenasserim, and the surrounding nations. Bl. As. Trans. vol. viii.—Helfer, Dr., and Hutchinson, Lieut. Report on the new coal-field of Tenasserim. Bl. As. Trans. 1839, vol. viii. 385.—Researches on the Tenasserim Coast. Friend of India, 165, 638.
Hemp, narcotic, preparation of Indian; its effects on the animal system in the treatment of convulsive disorders, &c. Ibid, 1840, 19. (See Bhang and Ganjia.)
——— Indian, uses and preparation of. O'Shaughnessy's Bengal Dispensatory, 579.
——— of Martaban. As. Jl. vol. iii. 35.
Henderson, A., on the mineralogy of Cutch. Lond. As. Trans. vol. i. 151—155.
Heerat to Simla. Major Todd's report of a journey from. Bl. As. Trans. vol. xiii. 339.
Herbert. Mineral productions of the Himalayas. As. Res. 1833, vol. xviii. part 1, 216.—Course and levels of the Sutlej. Ibid, 1825, vol. xv. 339.—Coal within the Indo-Gangetic mountains. Ibid, 1828, vol. xvi. 397.—Gypsum in the Indo-Gangetic mountains. Ibid, 1833, vol. xviii. part 1, 216.—Tour through Kumaon and Ghurwal. Bl. As. Trans. 1844, vol. xiii. part 2. 734.—Geological map of Himalaya survey. Ibid, 1844, vol. xiii. part 1, 171.
Heyne, Benjamin, M.D. Mode of manufacturing Cattechu. Bl. As. Trans. vol. vii. 108.—Travels in India. Ibid.—On copper at Nellore. Ibid.—Tracts, historical and statistical, on India, Lond. 1816, 4to.

Himalayas. Tour through part of the Snowy Range, to the sources of the Jumna and Ganges. J. P. Fraser. Lond. 1820.
——— Herbert's medical productions of the. As. Res. vol. xviii. 216.
——— heights of. (See Colebrooke; see Moorcroft.)
——— Illustrations of the botany and other branches of the natural history of. Dr. F. Royle Lond. 2 vols.
——— sub fossil genera. As. Res. 1836, vol. xix. part 1, 25, 39, 54, 115, 135, 193.
——— peaks, heights and positions of the. (See Hodgson.)
——— coal and lignite in the. (See Herbert.)
——— provinces, travels in. (See Moorcroft.)
——— land and fresh-water shells of the. Lieut. Hutton, and W. H. Benson. Bl. As. Trans. vol. vii.
——— Note of a visit to the Niti Pass of. Bl. As. Trans. vol. vii.
——— vulture and eagle, notice of. Lieut. Hutton. Bl. As. Trans. vol. vii. 20.
——— Boundary of Jyapeti's portion. As. Res. vol. iii. 313; or seat of snow, two ranges north and south, lake Manasasaras in the north, 329.
——— General mention of. Ibid, vols. iii. 389, 418; xiv. 381, 387; xvii. 615.
——— Observations on heights of. Ibid, vol. xii. 251.
——— Trigonometrical determination of heights and positions of. Ibid, vol. xiv. 187.
——— On the course, &c. of Sutlej in. Ibid, vol. xv. 339. (See Gurhwal, Kumaon, Kunawar, &c.)
——— Physical Geography of. H. B. Hodgson. Bl. As. Trans. vol. xxviii. 761.
——— On the Terai, or sickly Great Belt. Ibid.
——— Disappearing rivers. Ibid.
——— snow-line of. Capt. T. Hutton. Ibid, 954.
——— Capt. Webb on. As. Jl. 1819, vol. vii.
——— Dr. Hooker on. Athenæum, Oct. 8, 1849.
——— Lieut. Strachey on. Edin. Phil. Jl. 1849, vol. xlvii. 324.
——— survey, geological map of. Bl. As. Trans. vol. xiii. 171.
——— Hourly meteorological observations on, at height of 18,400 feet. Lieut. Strachey. Rep. Brit. Ass. 1850, 43; Athenæum, 874—noticed merely. Hourly observations given entire, Phil. Trans. 1850, 299. Note to Col. Sykes' discussion of Indian observations.
——— Glaciers of. Strachey on. Edin. Phil. Jl. 1848, vol. xliv. 108; Bl. As. Trans. 1847, vol. xiv. 7.
——— On the climate and vegetation of. Dr. T. Thomson, Bengal Medical Service. Edin. Phil. Jl. 1852, 309.
——— Hugel's (Baron) visit to. Lond. Geol. Trans. 1836, vol. vi. (See Travels of.)
——— Notice of geology of. Gleanings in Science, vol. i. 145.
——— Supposed volcano in. Ibid, 338.
——— Notice of cedar of. Ibid, vol. ii. 68.
——— Accumulation of diluvium in. Ibid, 34.
——— On the aptitude for the cultivation of the tea plant of. Dr. Falconer. Bl. As. Trans. vol. iii. 178.
——— Trip through Kunawar, Hungrang, and Spiti. Capt. Hutton. Ibid, vol. viii. 901.
——— Mineralogical survey of, between the Sutlej and Karli. Capt. Herbert. Ibid, vol. ix. 1.
——— A journey from Subathoo to Shipke, Chinese Tartary. Lieut. Jerold. Ibid, 1842, vol. xi. 363.
——— Travels beyond the. Mir Izzet Ullah. Cal. Quart. Mag.; republished Lond. As. Trans. 1843, vol. vii. 283.
Hindoos not anticarnivorous; on the characteristic signatures to documents. Lond. As. Trans. vol. iii. 272, 273.
——— Algebra of the. Cal. Rev. 1844, No. iv. (See Ward.)
——— Descriptions of the persons of the. As. Jl. vol. i. 145.
——— Anatomy of the. Cal. Rev. vol. i. art. i.
——— Medical science of the. As. Jl. 1823, vol. xiii. 241.
——— architecture, notice of an essay on. Ram Ray. Lond. As. Trans.
——— On the origin and history of the. As. Res. vol. i. 415.
——— On the trial by ordeal by the. Ibid, 389.
——— On their legislature from the Sanskrit, with commentary by Goverdhan Caul. Ibid, 340.

Hindoos. On the astronomical calculations of the. Ibid, vol. ii. 225.
——— On the chronology of the. Ibid, vols. ii. 111, 389; v. 241, 290.
——— their want of geography and civil history. Ibid, vol. iii. 295.
——— Of the divisions of the globe according to the. Ibid, 299.
——— Of the legendary wars of their three principal gods. Ibid, 371.
——— extraordinary customs and practices prevalent amongst them. Ibid, vol. iv. 331.
——— The duties of a faithful wife among the. Ibid, 209.
——— Of their living in several places in Persia. Ibid, 383.
——— The fire for religious purposes, how produced from the Arani by the. Ibid, 384.
——— Remarks on the principal æras and dates of the ancient. Ibid, vol. v. 315.
——— On the music of the. Ibid, vols. iii. 55; vi. 504.
——— Supposed destruction of ancient records by the. Ibid, vol. v. 244.
——— On the religious ceremonies of the. Ibid, vols. v. 345; vii. 232, 288.
——— On the funeral rites of the. Ibid, vol. vii. 239.
——— On the marriage ceremonies of the. Ibid, 288.
——— their systems of astronomy, and their connection with history, &c. Ibid, vol. viii. 193.
——— On their geographical systems. Ibid, 267.
——— Of their early intercourse with the western countries. Ibid, vol. viii. 358; with Egypt, 260.
——— Geological systems and geometry of the. Ibid, 267.
——— Observations on their history. Ibid, 269.
——— of their maps. Ibid, 270; figure of the earth, 271; four cardinal points, 274; periodical changes of the world's surface, 282; divisions of the Old Continent, 284.
——— their notion regarding the different quarters of the horizon. Ibid, vol. ix. 42.
——— their reckoning an æra from the accession of the reigning prince. Ibid, 207.
——— date assigned by them to the prophetical birth of a Saviour. Ibid, vol. x. 35.
——— their tutelary deities supposed to lead their armies, victory ascribed to them. Ibid, 59.
——— Of their eating beef in former times. Ibid, 89.
——— Of their twenty-three famous astronomers. Ibid, 102; of the constellations, 104.
——— Of their fondness of travel in early times. Ibid, 105; many of them servants in Greece, 107; some of their tribes settled in Colchis to this day, 108; a large detachment followed Alexander to Persia, 109; some in Alexandria A. D. 300, 113; numerous in Arabia and Persia, 115; intercourse with Carthaginia, 116.
——— Of their images adopted by the Romans. Ibid, 111.
——— Of the system and antiquity of the Yugas according to the. Ibid, 117.
——— Correct notions of the creation of the world. Ibid, 118.
——— identify the emanations with the original, the disciple with the master. Ibid, 121.
——— whence they reckon their longitude. Ibid, 155.
——— their fondness for a symmetrical arrangement. Ibid, 156.
——— Of the two roads through which they suppose departed souls to pass. Ibid, 157.
——— reckon seven privileged persons who never tasted death. Ibid, vol. xi. 61.
——— insist that theirs is the universal religion of the world. Ibid, 122.
——— Of the two modes of worship followed by them. Ibid, 124.
——— how living beings originated, according to their belief. Ibid, vol. xiv. 431.
——— according to them how the deceased souls are carried away. Ibid, vol. xvi. 440.
——— Of their gold-making ants. Ibid, vol. xiv. 447.
——— Of the various religious sects of the. Ibid, vol. xvii. 169.
——— Scepticism and unbelief kept alive among them for ages. Ibid, 313.
Hindostan, Rennal's memoirs of. Lond. 1788.
——— Orme's history of. Lond. 1799, 4 vols. 4to.
Hinglaj, pilgrimage to. Capt. S. V. W. Hart. Bom. Geo. Trans. vol. iii. 77; Bl. As. Trans. 1839.
——— Robertson's account of. Bom. As. Trans. 1850.
——— Volcanoes of. Dr. Buist. Bom. Geo. Trans. Reports 1850; 1852, vol. x.
Hodge. Travels in India. Lond. 1793.
Hodgson, B. H., Resident at the Court of Nepaul. Specimens of sheep inhabiting the Himalayan region, with some brief remarks on the craniological character of ovis. Bl. As. Trans. 1841, vol. x. 320. (See Adultery, Buddhism, Berber, Illah Ghunz.)—Literature and religion of the Buddhists. Serampore, 1841.—On the Bauddha literature of Nepaul. As. Res. vol. xvi. 409.—Route from Katmandu to Tazedo. Ibid, vol. xvii. 513.—On a new species of Buceros.

Ibid, vol. xviii. part 1, 178.—Description of the Aquila Nipalensis. Ibid, part 2, 13.—Description of the Circætus Nipalensis. Ibid, 21.—Migration of the Natatores and Grallatores in Nepaul. Ibid, 122.—On the wild goat and wild sheep in Nepaul. Ibid, 127.—Description of the Ratwa deer. Ibid, 170.—Description of the Buceros Homrai. Ibid, 130.—Description of the wild dog of the Himalayas. Ibid, 221.—On the antelope of the Himalayas.—Gleanings in Science, vol. iii. 152.—On a species of felis. Ibid, 177.—On scolopacidæ. Ibid, 233.—On the musk deer. Ibid, 320.—On the Cervus Jarai. Ibid, 321.—On the Ratwa deer. Ibid, 371.—On the Tharal goat. Ibid, 371.—On the Chiru. Ibid, 387.—On the mammalia of Nepaul. Ibid, 442.—On the manufacture of Nepaul paper. Bl. As. Trans. vol. i. 8.—On the Nepaul military tribes. Ibid, vol. ii. 217.—On the aborigines of Nepaul Proper. Ibid, vol. iii. 215.—On European speculations on Bhuddism. Ibid, 382 ; ibid, 425 ; ibid, 490.—Synopsis of mammals of the Himalayas. Ibid, vol. v. 231.—On Nepaul ornithology. Ibid, 358.—On the language of Bhuddist scriptures. Ibid, vol. ii. 682.—On the cuckoo of the Himalayas. Ibid, vol. viii. 136.—On the Thibetan type of mankind. Ibid, vol. xvii. 222.—On the aborigines of Central India. Ibid, 550.—Relics of the Catholic Mission in Thibet. Ibid, 225.—Route from Katmandu to Darjeeling. Ibid, 631.—On the aborigines of Southern India. Ibid, vol. xviii. 350.—On the aborigines of north-eastern India. Ibid, 451.—Note on India ithonology. Ibid, 238.—On the aborigines of the north-eastern frontier. Ibid, vol. xix. 309.—Aborigines of the south. Ibid, 461.—On the law of legal practice, and police of Nepaul. Lond. As. Trans. vol. i. 45, 258.

Hodgson, Capt. Journey to the source of the Jumna; hot springs at Jumnotri, &c. As. Res. vol. xiv. 128.—On a new form of the hog kind in Scinde. Bl. As. Trans. vol. xiv. 423.—Journey to the head of the Ganges. As. Res. vol. xiv. 60.—Survey to the heads of the Ganges and Jumna. Ibid—Latitudes of places in Hindostan. Ibid, 153.—Heights and positions of the Himalaya peaks. Ibid, 187.—Route from Katmandoo to Chinese frontier. Ibid, 1832, vol. xiii. 513.

Hoffmeister, Dr., a Prussian in the train of Prince Waldemar, of Prussia. Travels in Ceylon and Continental India. Edin. 1848.

Homfray. Coal-field of the Damooda Valley. Bl. As. Trans. vol. ii. part 2, 723.

Horsburgh, Capt. J., the most distinguished of our Eastern hydrographers. Sailing directions. 1 vol, 4to. Reckoned indispensable in navigation.

Hot Springs in India, list of. (See Volcanoes of India.) Dr. Buist. Map. Bom. Geo. Trans. 1852, vol. x.

Howison. Elastic gum, and vine of Prince of Wales' Island, As. Res. 1807, vol. v. 157.

Hughes on the cultivation of cotton in India. Lond. As. Trans. vol. v. 372.

Hugel, Baron Charles. Visit to the Himalaya Mountains, and the Valley of Cashmere. Lond Geo. Trans. 1836, vol. vi. part 2, 343.—Travels in Cashmere and the Punjaub, critical notices of. Cal. Rev. 1845, vol. iii. 14.

Humboldt. Mountain chain and volcanoes of Central Asia. Asie Centrale, par a de. Paris, 1843. 3 vols. Edin. New Phil. Jl. 1831, vol. xxiv. 227.

Human Sacrifices in India. Friend of India, 1838, 9 ; Lond. Geo. Trans. 1843.

Hunter, Mr., Bengal C. S. Journey from Agra to Oojein. As. Res. vol. vii. 7.—Astronomical observations made on a journey to Oojein. Ibid, vol. iv. 140.

———— Dr., Madras Medical Service. Improvement in arts and manufactures in India. Mad. Jl. of Art, from 1850 to 1852.

Hurdwar, fossils of. Dr. S. Falconer on. Bl. As. Trans.

Hurricanes. Lond. As. Trans. vol. iii. 79.

———— At Coringa. As. Jl. 1840, vol. xxxi. part 2, 222.

———— Remarks on, on Malabar Coast in April 1847, in which the *Cleopatra* was lost. (See Carless, Thom, and Piddington.)

———— On whirlwind of 8th April 1838. J. Lloyd ; communicated by J. H. Patton, Magistrate 24 pergunnahs. Bl. As. Trans. vol. vii. 422.

———— of April 1847, on western coast of India, remarks on, with three diagrams, showing position of Malabar hurricane on 16th and 18th April, and letter from author. Dr. A. Thom. Bom. Geo. Trans. vol. viii. 1.

———— Papers on laws of storms. Mr. Piddington. Bl. As. Trans. 1840—1852, *passim*.

———— Horn book of storms, 1844.

———— Hand-book of storms, 1847. (See Piddington, and Storms.)

———— Conversations on storms. Calcutta, 1852.

Hurryehundegur fort, in the Deccan, described. As. Jl. 1818, vol. vi. 468.

Hulton, Dr. J. G., Bombay Medical Service. Notice of Curia Muria Islands. Bom. Geo. Trans. 1840, vol. iii. 183.
Hutton, Capt., Bl. N. I. Observations on the zoology of Candahar, and the neighbourhood of Mussoorie. Bl. As. Trans. vol. xiv. part 1, 340.—Snow line of Himalayas. Edin. Phil. Jl. 1851, vol. l. 93.—Valley of Spiti, and route from Kotghur, report of. Bl. As. Trans. 1841, vol. x. 198.—Trip through Kunawar, &c. Ibid, 1839, vol. iii. 901.
Hwan Thsang. Verification of the itinerary of, through Arabia and India. Capt. J. D. Cunningham. Bl. As. Trans. vol. xvii. 476.
Hyderabad, Deccan. The Nizam's contingent. Cal. Rev. 1849, No. xxi.
——— country, geology of. Mad. Lit. Trans.
Hydrabad, Scinde. Route from Mandavie, in Cutch Bhooj, to. Bom. Geo. Trans. 1827, vols. i. 79; vi. 15.

I

Ice, mass of, size of elephant, near Seringapatam. Hyne on. Tracts.
——— At Nowloor, two miles from Dharwar, April 1838, a block of ice, or cemented hailstones, fell, 19 by 10 feet in circumference. Bombay Courier, 15th May 1838; As. Jl. vol. xxvii. 163.
——— in Khandeish, in 1826, took several days to melt. Bombay Times, November 1849.
——— Tremendous shower of, at Meerut. As. Jl. 1817, vol. iii. 609.—Near Bangalore, May 22, 1851. Bombay Times, June 1851. (See Hailstorms in India, Dr. Buist.)
——— Wyse on manufacture of, in Bengal. Bl. As. Trans. vol. ii. 80; As. Jl. 1840.
Illahee Guz, Hodgson's memoir on length of. Lond. As. Trans. vol. vii. 42.
Illanoon Pirates, information regarding. Capt. Blake, H. M. S. *Larne*. Bl. As. Trans. vol. vii. 978.
Incendiarism of ships, history of. Bombay Times, June 30, 1849. See Report of Calcutta Committee on ship-burning. Calcutta, folio, 1851; also Bombay Times, Dec. 1851.
Index to Indian historians. (See Elliot.)
Indian Archipelago, Crawford's history of. Edin. 1822. 3 vols.
Infanticide in Cutch Bhooj. As. Trans. vol. i. 193, 285.
——— Calcutta Review on. No. ii. part papers, *passim*.
——— Cormack's account of. Lond. 1815. 8vo.
——— review of. As. Jl. 1816 *passim*. Orient. Chris. Spec. May 10, 1851.
——— Quarterly Review on, 1851.
Indus, a magnificent river in Scinde, to some extent bounding the British dominions in India, rising in the Himalayas about lat. 32° N., 15,000 feet above the level of the sea; disembogues itself near Kurrachee, Lower Scinde. A most excellent outline of all the information regarding, in Thornton's Gazetteer. Observations on, as far as Bukkur. Lieut. Magrath. Bom. Geo. Trans. vol. ii. 25.
——— Some account of Koree, or eastern branch of. B. Nicholson. Ibid, vol. vi. 3.
——— Notice of countries west of, from Dhera Ghazee Khan to Kalabagh. C. Masson. Ibid, vol. v. 116.
——— observations on. Capt. McMurdo. Ibid, vol. iii. 124.
——— Memoir to acompany survey of delta of. Capt. Carless.
——— Memoir of. Burnes' Travels to Bokhara, vol. i.
——— Trade and navigation of. Dr. J. Burnes' Visit to the Court of Scinde, vol. i.
——— the same with Sindhu. As. Res. vols. iii. 348, 360; vi. 450, 490; viii. 418, 328.
——— a giant cast down from heaven by Jupiter. Ibid, vol. xvii. 613.
——— On the prohibition of crossing that river. Ibid, vol. vi. 529.
——— Of the countries to the westward of, and eastward. Ibid, vol. ix. 225; its branches, 229.
——— Of its distance from England. Ibid, vol. x. 108.
——— Exploits of Alexander the Great on western bank of. M. A. Court. Bl. As. Trans. 1839, vol. viii. 304.
——— Observations on Indus, or Sindhoo river. Capt. McMurdo. Bom. Geo. Trans. 1836—1838; Bombay reprint, vol. i. 9.

9

Indus. Map of the. Bom. Geo. Trans. 1836—1838; Bombay reprint, vol. i. 19.

——— Its supposed sources. Ibid, 23.

——— Notes of lower part of, and of craft thereon. Lieut. Wood. Ibid, 89.

——— Vocabularies of seven languages spoken on west of. Lieut. Leech. Ibid, 8.

——— Voyage down from Loodiana. Dr. Gordon. Ibid, 8.

——— Medical memoir in the plain of. Dr. P. B. Lord. Ibid, 293.

——— On forms of vessels on, with drawings. Bl. As. Trans. vol. vii.

Industry, schools of, in India. Bombay Times, Aug. 18, 1840.

——— Jubbulpore. Chambers' Jl. Nov. 1847; Bombay Times, Dec. 22, 1847.

——— Friend of India on. Jan. 30, 1851.

——— at Bombay, inauguration of. Bombay Times, June 1850; Ibid, Jan. 26, 1851.

Instruments, philosophical, in India, report on. Bl. As. Trans. 1842, vol. xi. 293.

Inundations of Laccadive islands in hurricane of April 1847. Biden's account of. Madras Spectator 1, and Bombay Times 4, Oct. 1847. Provisions for relief of inhabitants. Bombay Times, Aug. 13, 1850.

——— remarkable, in India, in 1849. Dr. Buist. Bl. As. Trans. 1851; Edin. Phil. Jl. 1851.

——— Of Burhampootra, singular results of, in Assam. W. McCosh. Topography of, 1837, 1 vol. 8vo.

——— remarkable, of the Ganges, Aug. 21, 1838. Rose at Allahabad 49 feet; did immense damage at Benares. Hussingabad was on the same occasion flooded by the rise of the Nerbudda.—Of the Indus in 1841, supposed to be occasioned by an earthquake. Bl. As. Trans. 1848, vol. xviii.

——— of the Taptee, for the past thirty years. Bombay Times, 1851.

——— report on, 1837. Lieut. Fulljames. Bom. Geo. Trans. vol. i. reprint, 352.

——— of mouth of Ganges, occasioned by hurricanes, in May 1823, and May 1830. Bl. As. Trans. vol. i. 25.

Ipass, or Upas, poison of the Malayans. Capt. Newbold. Phil. Trans. 1837.

Iron, on smelting of. (See Heyne's Indian Tracts.)

——— Remarks on its internal application. H. Wilkinson. Lond. As. Trans. vol. v. 383.

——— Mode of smelting in Southern Mahratta Country. Marshall. Five Pergunnahs. 1 vol. folio, 200 pp. Bombay, 1822, 147.

——— of Kattiawar, and its comparative value with British iron. Major LeG. Jacob. Lond. As. Trans. vol. viii. 98.

——— Mode of smelting. Ibid.

——— from ores of Malwan. Dr. F. Royle. Bl. As. Trans. vol. i. 440.

——— Mode of manufacturing ores. Ibid.

——— examined by Mr. Tennant. Ibid, 141.

——— Dr. Gibson's report on. Ibid, 143.

——— Report on coal and iron mines of Talcheer and Ungool. Capt. Kittoe. Bl. As. Jl. 1839, vol. viii. 137.

——— works at Beerbhoom, account of. Bl. As. Trans. 1845, vol. xiv. 754.

——— Smelting of Cassya Hills. Mr. Welby Jackson. Ibid, vol. l. 150.

——— Manufacture of bar, in Southern India. Capt. Campbell. Cal. Jl. Nat. Hist. vol. iii. 380.

——— Burdwan, smelting of. Bl. As. Trans. 1839, vol. viii. 683.

——— works at Salem, notes on. Ibid, vol. i. 253.

Irregular Cavalry. Major Jacob. Bombay, 1840. Pamphlet. Calcutta Review on.

Irrigation, statement of, showing works in Bellary division of Ceded Districts. Bom. Geo. Trans. vol. x. 127.

——— of Tanjore. (See Tanjore.)

——— river, in India, N. W. Provinces. Cal. Rev. 1840, vol. xii. 70—173.

——— Report of committee on the grand Ganges canal. Instructions to executive officers of. Major Baker, Ben. Engrs.

——— Report of general medical committee. Major Baker, Ben. Engrs., and Dr. Dempster, B. M. S.

——— Report on the eastern Jumna, or Doab canal. Major Cautley, Ben. Arty.

——— Report on western Jumna, or Delhi canals. Major Baker, Ben. Engrs.

——— Notes of water-courses in the Deyrah Dhoon. Major Cautley. Cal. Rev. 1849, vol. xii. 79.

Irrigation. Report on the Nujufghur Jheel. Capt. Durand, Ben. Engrs. Cal. Rev. 1849, vol. xii. 79.
——— Report on projected canals in Delhi territory. Major Baker, Ben. Engrs. Ibid.
——— Reports on the Ravee canal, &c. MSS. Major Napier, Ben. Engrs. Ibid.
——— Memorandum on the application of the waters of Punjaub to agricultural purposes. MSS. Lieut. R. Smith, Ben. Engrs. Ibid.
——— Projected system of canals in Punjaub. Lahore Chronicle, Nov. and Dec. 1850; Bombay Times, Jan. 1851.
——— Parliamentary papers on, in Madras Presidency, 1851.
——— Embankments on Cauvery and Godavery. Cal. Rev. 1847, vol. viii. 336.
——— Embankments on rivers of Bengal. Ibid, 329.
——— Terai irrigation, Rohilcund. Cal. Rev. vol. v. 1846.
Irvine, Dr. Account of Ajmere. Friend of India, 1842, 35.
——— Topography of Ajmere. Calcutta, 1841.
Irwin, Lieut. Memoir on climate, soil, &c. of Affghanistan.
Isinglass, Indian, sources and manufacture of. Dr. Royle. Pamphlet. Lond. 1840.
——— Productive resources of India. Lond. 1 vol. 8vo. 1840.
——— Major Davidson on, from Hooghly. Bl. As. Trans. vol. viii. 684.
Ispahan, description of. As. Jl. 1818, vol. vi. 287.

J

Jackson, Dr. Account of manufacture of rose-water, and atter of roses, as practised at Ghazeepore. Bl. As. Trans. 1839, vol. viii. 411.—On Native mode of preparing perfumed oil of jasmine and bela. Ibid, 496.
Jacob, Major John, on irregular cavalry. Pamphlet. Bombay, 1846.
——— Major LeGrand, now (1851) Resident, Bhooj. Account of Gumli or Bhumli. Report of the iron in Kattywar; its comparative value with British metal; mines, and means of smelting ore. Lond. As. Trans. vols. v. 73; viii. 98.—Brief historical, geological, and statistical memoir on Okhmandul. Bom. Geo. Trans. vol. vi. 157.—Report on the district of Balriowar. Ibid, vol. vii. 700.—Inscriptions from Politiana. Bom. As. Trans. vol. i. 56.—On the Asoka inscriptions, Girnar. Ibid, 257.
Jahangir. Sir Thomas Roe's embassy to the Emperor. Lond. As Trans. vol. i. 323, 327.
Jacquemont, V. Travels in India, from 1828 to 1832. Paris, 1841. 6 vols. 4to.
Jahlan. Account of journey from Soor to, and thence to Ras Roses, by Messrs. Ward, Sylvester, and James, of the surveying brig *Palinurus*. Bom. Geo. Trans. vol. viii. 101.
Jains and Buddhists. (See Franklin.) Tenets and practises of. As. Jl. 1833, new series, vol. xii. part 1, 88.
——— temple at Badrasir, account of, and ruins of at Badranagiri, in Cutch. Lieut. T. Postans. Bl. As. Trans. vol. vii. 431.
Jaina and Buddha religions, historical researches on. Dr. James Bird. Bombay 1847, folio.
Jajipur, ruins and pillars at. Lieut. Kittoe. Bl. As. Trans. vol. vii. 200.
Jameson, Dr. Geographic distribution of the vulturidæ, &c. Ibid, 1839, vol. viii. 231.—Account of gold found in the Indus. Ibid, 1848.—Geology of the country between Bhar and Simla. Ibid, 1037.
Jami at Tawarikh. Letters on discovery of 1st vol. of, from W. Morley, and Professor Duncan Forbes.—Letters to R. Clarke on a MS. of. Lond. As. Trans. part 2, vols. vi. and vii. 167.
Japanese, medicine and surgery of. As. Jl. 1820, vol. x. 327.
Jasmine and Bela. (See Jackson.)
Java. Raffle's, Sir Stamford, history of. Lond. 1817, 2 vols. 4to.
Jawahir. Masson's visit to. Bl. As. Trans. vol. ii. 1159.
Jayasinha, a distinguished astronomer of 1693, Rajah of Ambhere, constructed a large set of valuable tables; erected magnificent observatories at Benares, Delhi, Kotah, and Oojein. As. Res. vol. v. 177—197.
Jenkins, Capt. Report on territories of Rajah of Nagpore. Calcutta, 1827.—On minerals and geology of Nagpore. As. Res. 1833, vol. xviii. part 1, 195.

Jenkins, Lieut. G. On the sulphur mines of Kamis, Persian Gulf. Bom, Geo. Trans. 1836, vol. i. 281.

Jeelum, account of district of. W. L. Bowring. Bl. As. Trans. 1850, 43.

Jervis, Major Thomas Best. Address to the British Association on progress of geographical inquiry in India. Rep. Brit. Ass. 1839; Bom. Geo. Trans. vol. iv.—On surveys in India. Lond. Geo. Trans. vol. vii. 120; Bom. Geo. Trans. vol. iv. 133.—Geograpical and statistical memoirs of the Konkan. Calcutta, 1844.—Journey to falls of Cauvery, and Neilgherry Hills. Lond. 1834.—Indian metrology, or account of coins, weights, measures, &c. of India. 1 vol. 8vo.—Observations on the bore in Gulf of Cambay. Lond. Geo. Trans. vol. viii. part 3, 202.—Topographical description of table-land on Cullery Mountain. Bom. Geo. Trans. vol. iii. 198.

Jessop, Messrs. On smelting of iron ore in Burdwan. Bl. As. Trans. 1839, vol. viii. 683.

Jones, Sir W. Remarks on Dr. Hunter's astronomical observations made on journey to Oojein. As. Res. vol. iv. 150.—Remarks on Playfair's questions on astronomy of Hindus. Ibid, 163.—Preliminary discourse by. Ibid, vol. i. 9.—On gods of Greece, Italy, and India. Ibid, 221.—On sources of Nile. Ibid, 383.—On Asiatic orthography. Ibid, 1.—Second anniversary discourse. Ibid, 405.—Third ditto. Ibid, 415.—On the Arabs. Ibid, vol. ii. 1.—On the Tartars. Ibid, 19.—On the Persians. Ibid, 43.—Remarks on Johanna island. Ibid, 7.—On Hindu chronology. Ibid, vols. ii. iii. 3.—On Indian game of chess. Ibid, 159.—On second classical book of Chinese. Ibid, 195.—On antiquity of Indian zodiac. Ibid, 289.—On cure of snake-bites. Ibid, 323.—Design of treatise on plants. Ibid, 345.—On the Chinese. Ibid, 365.—Supplement to Indian chronology. Ibid, 389.—On the spikenard. Ibid, vols. ii. 405; iv. 100.—On the borderers, mountaineers, and islanders of Asia. Ibid, 30.—On musical modes of Hindus. Ibid, 259.—On mystical poetry of Persians and Hindus. Ibid, 165.—On origin and families of nations. Ibid, 479.—On lunar year of Hindus. Ibid, 257.—On Asiatic history. Ibid, vol. iv. 1.—On Coris, or Comur. Ibid, 135.—On philosophy of Asiatics. Ibid, 184.—Catalogues of Indian plants. Ibid, 229.—Discourse delivered on occasion of decease of. Ibid, 181.—His life and writings. Cal. Rev. vol. vi.

Jubbulpore. School of industry at; upwards of 1000 Thugs restored to society. Chambers' Edin. Jl. Nov. 1847; reprinted Bombay Times, 22 Dec. 1847.

Jumna. Proposed canal of, irrigation from. Bl. As. Trans. 1842, vol. xi. 761.

——— or Yamuna, a river that flows from mount Himavat, As. Res. vol. viii. 335.

——— one of the branches of the Indus. Ibid, vol. ix. 229.

——— falls into the Ganges with the Saresvati at Allahabad. Ibid, vol. ix. 232.

——— and Bhagirathi rivers. Account of a journey to their sources. Ibid, vol. xiii. 172.

——— or Jabuna, one of the branches of the Bharirathi river. Ibid, vol. xiv. 465.

K

Kamaon. Statistical sketch of, by G. W. Trail, Commissioner. As. Res. vol. xvi. 137; geographical description, 137; principal lakes, 139; rivers, 140; ghats, 141; zoology, 142, 208; towns, 145; population, 151; statements, 227; climate, 155; botany and mineralogy, 157; religion, 161; customs, 162; temples, 165; government, 168; justice, 170; ordeal, 170; tenures of land, 175; mode of cultivation, 178; cultivation, 180; products, 182; Ghoorka conquerors, 189, 206; detailed, 226; currency, 191; hill commerce, 193; chief marts, 195; landholders, 201; judicial, 196; police, 198; revenue system, 200; statement, 229; rent-free lands, 205; present state, 207; additional observations, 208; diseases of the hills, 214; goitre, 216; manners, 218; superstitions, 220.

——— official reports on, with medical report by Dr. Rennie on the mahamurree in 1849. J. L. Buller. Published by Govt. N. W. P. Agra, 1850.

——— copper in. Major Drummond. Ibid.

——— Lieut. Strachey's account of. Lond. Geo. Trans. 1851, vol. xxi.

Kanari caves of Salsette. (See Caves, Bird, Salt, &c.) Opening of a tomb near, Bird on. Bl. As. Trans. vol. x. 291.

Kaolin earth of Mysore, Capt. Campbell's account of. Bl. As. Trans. 1841, vol. xii. 163.

Karr, W. Note of course of study pursued in Sanskrit College, Calcutta. Bl. As. Trans. 1845.

Karrack, island of, Persian Gulf, note on. Dr. J. Winchester. Bom. Geo. Trans. 1838, 35.
——— History of a Dutch settlement on. As. Jl. 1838, vol. xxvii.
Kasia Hills and people, Yule's account of. 600 inches of rain fall annually on an average in the hills; in August 1841, 150 inches fell at Cherra Poonj in five successive days. Bl. As. Trans. 1844, vol. xiii. 612.
Keros, Cosmos de, report of death of. A. Campbell. Ibid, 1842, vol. xi. 303.
Kempthorne, Lieut., I. N. Account of eastern shores of Persian Gulf in 1828. Lond. Geo. Trans. vol. v. 1835.—Visit to the Frankincense Country in 1842. Bom. Geo. Trans. vol. vii.
Khiva. Journey from Heerat to. Capt. James Abbott. Lond. 1843, 2 vols.
——— Sir A. Burnes' account of. Travels to Bokhara, vol. iii. 304.
——— Lord Auckland's policy towards. Friend of India, 1842.
——— Description of. Ibid, 153.
——— Russian advance on, for liberation of slaves. Ibid, 1840, 689.
——— Termination of difference between Cabinet of St. Petersburgh and. Ibid, 1841, 1.
——— Lieut. Shakespeare on. Blackwood's Mag. 1843.
Khonds, or Ghonds, human sacrifices among. Friend of India, 1843, 611.
——— Priesthood of. Lond. As. Trans. vol. vii. 193.
——— Lieut. Macpherson's report on. Calcutta, 1842.
——— Desultory observations on, with vocabulary of their languages. Dr. Bradley. Bom. Geo. Trans. vol. vii.
——— Calcutta Review on. (Goomsur.) No. ix.
——— Capt. Macpherson and the. Cal. Rev. No. xv.
——— The Cuttack Tributary Mehals, &c. Ibid, No. xvii.
——— Abolition of human sacrifices amongst. Ibid, No. xx.
Khorassan. Report of mission into. Capt. A. Connolly. Bl. As. Trans. 1841, vol. x. 116.
Kirk, Dr. R., Bombay Army. Journal of a journey from Tadjourra to Ankobar. Lond. Geo. Trans. 1842, vol. x.—Measurements of elevation, and astronomical observations in Abyssinia. Bom. Geo. Trans. 1844, vol. vi. 355.—Visit to volcano of Gibbel Teer, Red Sea. Ibid, 1842, vol. vi. 300.—Rise and fall of river Indus, and range of thermometer at Bukkur, 1841. Ibid, 436.
Kirkpatrick, Col. Account of Nepaul. Lond. 1811.
Kistna, river, account of. Capt. Best, Mad. Engrs. Mad. Lit. Trans. 1844, 190.
Kittoe, Capt. Report on coal and iron mines of Talchee and Ungool. Bl. As. Trans. 1839, vol. viii. 137.—Account of ruins at Jajipur. Ibid, vol. vii. 200.—Journal of tour in Orissa. Ibid, vol. iv. 133.
Kittoor. Account of country from Poona to. Lond. As. Trans. vol. ii. 105.
——— Disturbance, and death of Mr. Thackery at. As. Jl. vol. xix. 474.
——— Capture of fort of. Ibid, 707.
Koir of Malabar, Edye's remarks on. Lond. As. Trans. vol. ii. 347.
Kokan, city of, Mir Izzet Alla on. Ibid, vol. vii. 325.
Kola Ye, province of. Ibid, vol. ii. 255.
Konkan, north and south, account of imports of. Bom. Geo. Trans. vol. iv. *passim*.
Kulu and Lahal, to the Chee Mureri Lake, in Ladak. Lieut. Cunningham's journal of a trip through. Bl. As. Trans. vol. xvii. 201.
Kunawar, a province in the Himalayas, Gerrard's account of. Lond. 1841, 8vo.
——— description of. J. D. S. Cunningham. Bl. As. Trans. 1844, vol. xiii.
——— trip through. J. D. S. Cunningham. Ibid, 1839, vol. viii. 901.
Kunnagudi. Bom. Geo. Trans. vol. iv. 173.
Kunkur, a fresh-water limestone, apparently peculiar to India, of very recent origin—some of it now forming in the soil. Generally found in nodules, or small pieces. Its name derived from an Indian word, meaning nodule. Col. Sykes. Lond. Geol. Trans. 1836.
——— Prinsep's analysis of. Ibid.
——— Newbold's account of. Bl. As. Trans. 1844, vol. xiii. 317.
——— Old or travertine variety, similar to travertine around Rome. Ibid.
——— formation of recent in progress throughout India. Lond. As. Trans. 1845; Cal. Rev. 1848.
——— Capt. Abbott's account of, as prevailing in Upper Bengal—sheet—nodular. Bl. As. Trans. 1845, vol. xiv. 443.
——— Theory of formation. Ibid.
——— Soda soils reposing on beds of. Capt. Campbell. Bom. Geo. Trans. 1840—1844, vol. iv. 105.

Kunkur. Capt. Baird Smith's theory of formation of. Cal. Jl. Nat. Hist. vol. i. 330.
——— beds of associated with fossil bones on the Jumna. Capt. Baird Smith. Bl. As. Trans. 1833, vol. ii. 263.
Koops of Ram Chundra, a group of mud volcanoes near Sonmeanee. Capt. Hart's account of. Bom. Geo. Trans. 1838; Bl. As. Trans. 1838. (See Hart, and Volcanoes.)
Kurnoul. Newbold on recent fresh-water deposits near. Bl. As. Trans. vol. xiii. 313.
Kurrachee, a seaport in Scinde, taken possession of in 1839. Dr. Costello on medical topography of, for 1839. Bom. Med. and Phys. Trans. 1840, vol. i. 210.
——— Frightful visitation of cholera at, in 1846. Bombay Times, June 16.—Dr. Thom's report on. Parliamentary papers, folio.
——— Geology of. Capt. Vicary. Lond. Geol. Trans. vol. iii. 334.
——— Visit to hot springs near. Capt. Carless. Bom. Geo. Trans. 1839, 13.
——— Capt. Postans' route through. Lond. Geo. Trans. vol. xiv. part 2, 193.

L

Lac insect, history of. Dr. Kerr. As. Jl. vol. iii. 216.
——— Roxburgh's essay on. As. Res. vol. ii. 361.
Laccadive Archipelago, Wood's visit to. Lond. Geo. Trans. vol. vi. 29.
——— account of. J. W. Robertson, M. C. S. Mad. Lit. Trans. 1847, No. xxxiii.
——— visit to, after *Cleopatra's* hurricane, 10 April 1847, when the storm wave swept over them. Madras Spectator and Bombay Times, October 1847.
——— visit of steamer to, July 1850. Bombay Times, October 1850.
Ladakh. Moorcroft's description of. As. Res. 1816, vol. xii. 375.
——— Vigne's account of. Travels in Cashmere. Lond. 1842.
Laidley, T. W. Observations on the rate of evaporation in the open sea. Bl. As. Trans. 1845, vol. xiv. part 1.
Lakes in the province of Ramnad. Lond. As. Trans. vol. iii. 181.
——— Ajmere. Col. Dixon's account of.
——— Colair Lake, Madras Presidency. As. Jl. vol. xvii. 372.
——— Munchur, Scinde. (See Orlebar, Postans, Knight, Scinde, *passim*.)
——— Salt, at Samber, lat. 26° 53′, long. 73° 57′, twenty miles long, and one and a half broad. (See also Loonar, Manasoravara, &c.)
——— extinct, basins of, in Deccan. Bombay Times, Oct. 1850.
——— extinct, near Benares. Bl. As. Trans. 1846.
Lambton, Col. Measurement of an arc on the meridian. As. Res. vol. xiii. 1; ibid, 1816, vol. xii. 285.—Method for extending a geographical survey across the peninsula of India. Ibid, 1801, vol. vii. 312.—Measurement of an arc on the meridian on the Coromandel Coast. Ibid, 1805, vol. viii. 137; ibid, 1816, vol. xii. 1.—Account of trigonometrical operations across India, connecting Fort St. George and Mangalore. Ibid, 1808, vol. x. 200. (See Meridian.)
Lardner on the manufacture of Damascus blades. Encyclopædia, Arts. Iron and Steel.
Laterite, a singular rock, prevalent over a large portion of India, not recognised by European geologists—its origin matter of much dispute. Dr. F. Buchanan on. Journal from Mysore to Canara. Lond. 1807, vol. 2, 329.
——— Dr. B. Babbington on. Lond. Geol. Trans. vol. v. 320.
——— Dr. Voysey on. Bl. As. Trans. 1833, vol. 1. 400.
——— Calder on. Encyclopædia, Art. Geology, by Phillips and Daubeny.
——— Dr. Turnbull Christie's account of. Mad. Lit. Trans.
——— Revd. Mr. Everest's notice of. Gleanings in Science, 1831, 180.
——— Dr. Clark's account of, from Southern India. Mad. Lit. Trans. vol. viii. 334.
——— Dr. Cole's account of, as found near the Red Hills. Mad. Lit. Trans. vol. ii. 100.—Dr. Cole's paper contains an abstract of all the information regarding laterite published up to his time.
——— Newbold's account of, mineral resources of Southern India. Lond. As. Trans. 1848.
——— Calcutta Review on. 1848, No. ix.

Laterite. Mr. Dalzell on. Bombay Times, Oct. 17, 1840.
——— Capt. G. Wingate on. Bom. Geo. Trans. 1852, vol. x. 287—291.
——— Dr. Carter's theory of formation of. Geology of Bombay. Bom. As. Trans. 1852.
——— Area over which it prevails; over lignite and organic limestone; complete isolation. Newbold. Bl. As. Trans. vol. xiii. 33; Lond. As. Trans. *ut sup.*
——— in boulders along shore. Dr. Buist on. Bom. Geo. Trans. 1852, vol. x.
——— in borings at Calcutta. Bl. As. Trans. 1837.
Le Beck's account of the pearl fishery in Ceylon. As. Res. vol. v. 393.
Leech, Lieut. Vocabularies of seven languages spoken on the west of the Indus. Bom. Geo. Trans. 1836, 1838; Bom. reprint, vol. l. 8.—Notes on a tour through Beloochistan. Bl. As. Trans vol. viii. 667.—Grammar of the Cashmere language. Ibid, vol. xiii. 553.
Leng Dok. Analysis of the Sabda Kalpa Druma. Lond. As. Trans. vol. ii. 188.
Letchmapuran. Ibid, vol. iii. 167.
Leyden, Dr. J., a celebrated linguist, antiquary, and poet, born 1775; Madras Medical Service 1802; Professor Hindustani College, Fort William, 1806; accompanied Lord Minto to Java in 1809, where he died. Translation of the memoirs of the emperor Baber, written by himself. Lond. 1826, 4to.—On the Indo-Chinese languages. As. Res. vol. x. 158.—On the Rosheniah sect. Ibid, vol. xi. 363.
Lex Loci. Law of marriage and inheritance. Cal. Rev. 1845, No. vi.; Friend of India, Feb. 1845; Govt. Gazette, 29 Jan. 1845.
Lichens of commerce, list of. Lond. As. Trans. vol. iv.
Lightning. Singular exhibition of, like strings of beads, June 1843. Bombay Times, June 26; Provisional Report of the Observatory, 1844; Report of the Observatory.
——— Similar phenomenon April 7, 1848. Capt. Montriou's account of. Bombay Telegraph and Courier.
——— Col. Sykes on. Rep. Brit. Ass. 1849.
——— Ship *Bombay* struck by. Bombay Times, June 6, 1846.
——— House on Colaba struck by, May 27, 1848. Ibid.
Lignite in Cutch. (See McMurdo, Grant, and Cutch.)
——— found under laterite at Quilon. Newbold. Lond. As. Trans. vol. xiii. p. 33; ibid, 1848.
——— section of. General Cullen. Bl. As. Trans. 1845, 64; Bom. As. Trans. 1851.
——— above salt beds, Punjaub. Dr. Fleming on. Lond. Geol. Trans. April 1852.
Lindsay, Col. Narrative of journey to Fahian. Lond. As. Trans. vol. vii. 292, 335.
Lithography, history of first introduction of, into India. Dr. Rhind. Gleanings in Science, vol. i. 295.
Lithographic limestone found near Ajmere, at Bellary, Belgaum, Deccan, Hydrabad, Persian Gulf. Found more economical to import from Europe, from expense of dressing.—From Rewah. Capt. Shortrede on. Bl. As. Trans. 1843, 1121.
Lloyd, B., letters from, on the town and bay of Cambay. Lond. As. Trans. vol. iii. 61, 68, 80.
——— Capt., on heights of Himalaya Mountains. Edin. New Phil. Jl. 1823-24, vol. x.—Survey of mouths of Irrawaddy. Bl. As. Trans.
Locusts, fearful ravages of. Kirby and Spens' Introduction to the Study of Entomology. 4 vols.
——— Ravages of, in N. W. Provinces, 1832. Dr. McGregor on. Jl. of Med. Soc. N. W. P. 1842, vol. i.
——— reprinted in Corbyn's India Journal, 1842.
Logan on local and relative geology of Singapore. Bl. As. Trans. 1847, vol. xvi. part 1.
Loo, or stroke of the wind, prevalent in Bundelcund. As. Jl. 1822, vol. xiii. 279.
Loonar Lake, in Central India, supposed crater of an extinct volcano; waters salt and bitter. Account of. Lieut. Alexander, M. C. Mad. Lit. Trans. vol. i. 99; Lyell's Principles of Geology.
——— Professor Orlebar's account of. Bom. Geo. Trans. 1839, 35.
——— Dr. Malcolmson on. Lond. Geo. Trans. 1839.
——— Lava found around. Dr. Bradley on. Bombay Times, June 1851.
Lord, Dr. P. B. Medical memoirs on the plain of the Indus. Bom. Geo. Trans. 1836, 1838, vol. i. 293.—On the medicines found in the bazars of Scinde. Bom. Med. and Phys. Trans. vol. iv. 127.
Low, Capt. Geological appearances of the Malay peninsula. As. Res. 1833, vol. xviii. part 1, 128.—History of Tenasserim. Lond. As. Trans. vols. ii. 253—273; v. 141, 246.
Lucknow, climate of, Dr. Butter on. Calcutta, pamphlet, 8vo.

Lucknow. Observatory at, description of. Bl. As. Trans. 1840, vol. xvii. 507.
Ludlow, Lieut. Dip observations in 1843, in Southern India. Mad. Lit. Trans. 1844. (See Magnetism.)
Lunar influence on diseases—fever, intermitting headaches, spinal irritation. Bom. Med. and Phys. Trans. vols. ii. 71—70, 171; iii. 180; vi. 210; vii. 67. (See Balfour, Ainsely, &c.)

M

MacCosh on topography of Assam. Pamphlet published by Government. Calcutta, 1837.
Macdonald, J. M., on the condition of the Deyrah Dhoon. Lond. As. Trans. vol. iii. 250.
MacGregor, W. L. History of the Seikhs. Lond. 1846, 2 vols.—Cal. Rev. on, vol. vii.
——— Capt. Geographical notice of the valley of Jellalabad. Bl. As. Trans. 1844, vol. xiii. part 2, 867.
Mackenzie, Col. C., Madras Army, Surveyor General of India, a celebrated geographer, antiquary, linguist, and naturalist. Biographical sketch and literary career of, by Sir Alexander Johnstone. Lond. As. Trans. vol i. 333, 334.
Mackintosh, Capt. A., 27th M. N. I. History of the Ramoosies in the Deccan. Mad. Lit. Trans. vol. ii. 1, 105, 138.—Account of the Madadeo Coolies. Bom. Geo. Trans. vol. i. 139.—Account of the Maunbhows, or black-clothed mendicant devotees. Mad. Lit. Trans. vol. iii. 9.
Mackeson, Major. Journal of a voyage from Loodianah to Bahawulpore. Bl. As. Trans. vol. vi. 169.—Notes from Leersa to. Ibid.
Macleod, Col. Account of boring operations in Fort William. Bl. As. Trans. 1840, vol. ix. part 2, 677.
Macpherson, Lieut. Geology of the peninsula of India. As. Res. vol. xviii. part 2, 115.
——— Capt. Report upon the Khonds of the districts of Ganjam and Cuttack. Calcutta, 1842.
Magnesite found at Salem. Malcolmson on. Mad. Lit. Trans. vol. iv. 202.
Magnetic dip. Mr. Taylor's observations on, at Madras. Mad. Lit. Trans. vol. vi. 220.
——— of Cutch Bhooj. Bom. Lit. Trans. vol. ii. 205.
——— at Aden. Mayes on. Bom. Geo. Trans. 1852, vol. x.; Bombay Observatory Reports.
——— In Southern India. Caldecott and Ludlow on. Mad. Lit. Trans. 1837 and 1844; Bom. Geo. Trans. vol. iii. 76.
——— Investigations of the position of the magnetic equator. Ibid, 1844.
——— disturbances occasioned by hurricanes, instances of, at Bombay, 6 April 1846, 19 April 1847. (See Reports.)
——— Needles lose polarity in *Queen* steamer and *Mahi* schooner. Bombay Times, May 30, 1846; ibid, 1850.
——— observatories in India, Capt. Boileau's account of establishment of. Calcutta Courier, July 1, 1840; Bombay Times, 1840, 501.
————— at Simla, 1842—1845; Madras, ibid; Singapore, ibid; Bombay, 1842—1852; Lucknow, 1843—1852; Trevandrum, ibid. (See Reports, Observatories.)
——— Observations at Calcutta. Col. Hodgson on. As. Res. vol. xviii. part 2, 1.
Mahableshwar, a lofty group of mountains in the northern portion of the Western Ghauts, 4,600 feet high; sanitarium for Bombay. Account of. Bombay Almanac; Lond. As. Jl. 1844; Bombay Times, July 1844.
——— absence of endemic disease at. Med. and Phys. Trans. vol i. 89.
——— best period of resorting to. Ibid, 92.
——— cautions on arriving at. Ibid, 126.
——— climate of, compared with the Cape. Ibid, 150.
——— commencement of monsoon at. Ibid, 90.
——— convalescent station at. Ibid, vols. i. 82; ii. 35.
——— meteorological observations at. Ibid, vols. i. 91, 102, 100; vii. 199.
——— roads at. Ibid, vol. i. 88.
——— solar radiation at. Ibid, 96.
——— supply of water at. Ibid, 84.
——— village of. Ibid, 81.

Mahomed Tippoo, Madras Persian Interpreter, on the ceremonios of the Mohurrum. Mad. Lit. Trans. vol. ii. 315.
Mahratta, south country. Newbold's geological notes on the. Bl. As. Trans. vol. xiv. 208.
Malayan Peninsula. Low's geological appearances of. As. Res. vol. xviii. 128.
——— code of. Newbold's notice of. Mad. Lit. Trans. vol. iv. 300.
Malcolm, Lieut. Genl. Sir John, Ambassador to the Court of Persia, Governor of Bombay. History of Persia. Lond. 4to.—Government of India. Lond. 1833.—Remarks on that work. As. Jl. 1833, new series, vol. xi. part 1, 218.—Memoir of Central India in 1824. 2 vols. 8vo.—Memoirs of Lord Clive. Lond. 1830. 3 vols.
Malcolmson, Dr. J. G., Madras Medical Service, Secretary Madras Medical Board; from 1842 to 1844 Secretary to Bom. As. Soc. Letter to Sir H. Hardinge on prison discipline in India. Public Records, 1834.—Essay on beri-beri, and disease called burnt feet; prize from Madras Government.—Paper on the basaltic districts of Central India. Lond. Geol. Trans. 1838.—On the destruction of the Adausonia digitata at Colaba. Bom. As. Trans. vol. ii. 230.—On fossil plants in the sandstone rocks at Kamptee. Ibid, 240.—Fresh-water fossils from the Vindyah range. Bom. Geo. Trans. vol. vi. 308.—Memoir of life of. Bom. Med. and Phys. Trans. 1844; Bombay Times, April 1844.
Malcolmson, Dr. J. P., Bombay Medical Service. On the occurrence of quicksilver in the lava rocks at Aden. Bom. As. Trans. vol. ii. 341.—Account of the geology of Aden. Lond. As. Trans. 1846.—Climate of Peshawur. Bom. Geo. Trans. 1852.
Maldive Islands, a vast group, estimated at twelve hundred, extending southward from lat. 8° N. Memoir of, by Lieuts. J. A. Young and W. Christopher, I. N. Bom. Geo. Trans. 1836—1838; Bombay reprint, vol. i. 54.
——— Notes on customs of natives of. Ibid, 213.
——— Darwin's coral reefs. Lond. 1843. 8vo.
——— Capt. Moresby's summary of information on. Bom. Geo. Trans. vol. i. 102.
Maldivan language, vocabulary of. Lond. As. Trans. vol. vi. 42.
Mandu, ruined city of, in Malwa. As. Jl. 1823, vols. xvi. 237; xviii.; Malcolm's Central India, vol. i.
——— Lieut. Knowles on. Bombay, 1840, 1 vol.
——— covered upwards of twelve thousand acres; the capital of the Dhai Rajahs; was subdued by Acbar 1582, and from this time permitted to fall to ruins; the only population a few Hindoo ascetics.
Mangoose, the Indian ichneumon, a species of weasel. Remarkable faculty of destroying poisonous snakes. Chambers' Edin. Jl. Oct. 1851.
——— Experiments on, at Madras, by Mr. Meade and Mr. Glover. Madras Athenæum, and Madras Spectator, 1848.
Manifesto, Chinese, of the Triad Society, translated. Lond. As. Trans. vol. i. 93—95.
Manasarovara lake, a lake of no exit in Little Thibet, from which the Ganges was long supposed to rise; a place of Hindu pilgrimage of peculiar sanctity; first visited by Moorcroft in 1814. As. Res. 1816, vol. xii.
——— a lake in Undes. Ibid, vols. iii. 320; vi. 488; ix. 58; xv. 369; xvii. 355.
——— a lake near Bamiyan. Ibid, vol. vi. 491; near Cabul, 491.
——— narrative of a journey to (with an introductory note). Ibid, vol. xii. 375.
——— ascertained to produce no rivers to the south, north or west. Ibid, vol. xii. 468.
——— or Man-saraur lake, the same with the Bindu Sarovara. Ibid, vol. viii. 322; produced from the heart of Brahma, 323; called Anandat, 324; supposed to be a crater, 325; four rivers springing from it, 327.
——— or Mansaraur or Mansarovar lake. Ibid, vols. viii. 322; ix. 58; xv. 369.
——— the Cunda of Brahma, into which Ganga falls. Ibid, vol. xiv. 455.
Manasa-saras or Manasarovara, name of the Sannyasis for a celebrated lake in the north Himalaya, near Sumeru, the abode of gods. Ibid, vol. iii. 329; the Vindhyasras of the Purans, 330.
Manson. Visit to Jawahir. Bl. As. Trans. 1842, vol. ii. part 2, 1157.
Manu, Institutes of. Calcutta Review on. 1849, No. xii.
Marshall, Dr., Statistical reports on the Southern Mahratta Country. Bombay, 1822. 1 vol. folio.
Marshman, Dr., a distinguished Missionary at Serampore. Friend of India on. 1837, 393.
Martaban, a province and town in Burmah; the province, which became British in 1828, contains an area of six thousand miles. Trade, canals and boats, and pagodas, &c. of. Lond. As. Trans. vol. iii. 209, 328. The town captured April 1852.
——— woods of. Ibid, 37.

Martin, Montgomery, on the history, antiquities, topography and statistics of Eastern India. Lond. 1838, 3 vols.
——— J. R. Brief topographical and historical notice of Calcutta. Lond. 1817.—Memoir on the advantages of the re-occupation of Negrais Island. Bl. As. Trans. 1843.
——— Dr., Missionary, Serampore. Report on the medical topography and climate of Calcutta, with notices of prevalent diseases. Friend of India, 1840, 130, 149.
Masson, Mr. Charles, a celebrated traveller and numismatologist, left India in 1842. Journies in Beloochistan, Affghanistan, and the Punjaub. Lond. 1842, 3 vols.—Notice of the countries west of the Indus. Bom. Geo. Trans. 1836—1838; Bombay reprint, vol. i. 2.
——— Revd. S. Fauna, flora, and minerals of British Burmah and Pegu. Lond. 1852, 1 vol. 4to.—Review of. Friend of India, June 3, 1852.
Mathematics, study of, by the Natives. Friend of India on. 1838, 225.
Ma-twan-lins. Account of India. Lond. As. Trans. vol. vi. 457.—Algebra of. Calcutta Review on. No. ii. 577.
Mavaliparam, ruins at, Chambers on. As. Res. 1800, vol. i. 145.
McClelland, J., on the level of Indian coal fields. Bl. As. Trans. 1838, vol. vii. part 1, 65.—On the geology of the Kasya mountains. Ibid, 69.—On the genus hexaprotodon. Ibid, 1038.—Journal of Natural History. Calcutta. 3 vols.—Report on geological survey of India for 1848-49. Calcutta, 1850. 1 vol. 4to. with numerous coloured sections and plates.
McMurdo, Capt. J. Biographical sketch of the late. Lond. As. Trans. vol. i. 123.—Camels of Scinde. Ibid, 230.—Observations on the Indus. Bom. Geo. Trans. 1836—1838; Bombay reprint, vol. i. 9.—Account of a supposed volcano in Cutch. Ibid, vol. ii. 110.—Mahra tribe of South Arabia, notes on. Bom. As. Trans. 1847, 339.—Earthquake in Cutch 1819. Bom. Lit. Trans. vol. iii.—Former state of Runn of Cutch. (See Appendix to Burnes' Bokhara Travels.)
Medicine, state of, amongst the Hindoos, Calcutta Review on. No. viii.
——— Medical school for Natives established at Bombay in 1826. Govt. Gazette, Jan. 1; As. Jl. vol. xxii. 82.
——— Grant Medical College, established 1845, history of. Report, 1848; Annals of India, 1849.
——— Medical school at Bolarum, Nizam's Country. Bombay Times, August 1846.
——————— in Rajpootana, by Col. Sutherland. Ibid, Sept. 5, 1846.
Meridian. Measurement of an arc of. Col. Lambton's account of for 1805. As. Res. vols. x. and xii.—Col. Everest's account. Lond. 1848, 2 vols. 4to.; Parliamentary Paper on Surveys of India 1852.—Col. Waugh on. Edin. Rev. 1813, 1848. Cal. Rev. Dec. 1851. (See Arc, Everest, Lambton, Survey, and Trigonometrical.)
Mesmerism applied to surgery, ridicule and abuse of. Cal. Jl. Med. and Phys. Sc. 1845, vol. iii.; Report of Committee on Dr. Esdaile's practice, 1848. Generally resorted to in operations at all the Presidencies.
Mica (Talc). On mines of Bengal. Reports Geological Survey for 1848-49, p. 20. Calcutta, 1850, 4to. 100,000 maunds sent annually to Calcutta from a single mine; sold at Rs. 7½ per maund, value £80,000.
Middleton, J., on the specific gravity of sea-water. Bl. As. Trans. vol. ii. 328.
Mill, J. political economist and historian; in 1818 published history of British India, 5 vols. 8vo. which led to his appointment in the correspondence department of the East India House, of the revenue branch. *Ob.* 1836.
Mill oil. Dr. Buchanan's account of, in Mysore. Vol. i. 228.
Modelacombie station. Lond. As. Trans. vol. ii. 328.
Mogul dynasty in India. Bernier's history of the revolution in the empire of the Great Mogul, translated by Stewart. Lond. and Cal. 1824.
——— Bernier's travels in the Mogul empire. 1 vol.
——— Emperor, court of. Lond. As. Trans. vol. i. 325.
——— inscription, translation of. Sir J. Shore. As. Trans. vol. ii. 383.
Mergui. Geographical notice of the province of. Capt. R. Lloyd. Bl. As. Trans. 1838, vol. vii. part 2, 1027.
——— Note on the dye wood of. Ibid, 1832, vol. i. 205.
Mohun Lall, Moonshee to Sir A. Burnes. Account of Kalabagh. Ibid, vol. vii. 25.
Mohurrum. (See Festivals, Native, H. H. Wilson.)
Money's account of ship-building at Bombay. Lond. 8vo.
Monteith. Account of the operations for widening the Paumban Channel, in the Gulf of Manaar. Mad. Lit. Trans. 1837, vol. vi. 111.

Montriou, Capt. Report on charts of Viziadroog. Bom. Geo. Trans. 1844, vol. vii. 156.

Moniteur Ottoman, a Turkish newspaper, published at Constantinople, with a circulation, in 1834, of 4,700—expected speedily to rise to 20,000. Sir A. Johnstone's anniversary address. Lond. As. Trans. vol. i. 162.

Moorcroft's journey to lake Manasarovara, in Little Thibet. As. Res. 1816, vol. xii. 375.—Travels in the Himalayan provinces. Lond. 1841, 2 vols. Edited by Dr. H. H. Wilson.

Moresby. Reports on the Northern Atolls of the Maldives. Lond. Geo. Trans. 1835, vol. v. part 2, 398.—Red Sea sailing directions. Lond. 1842, 8vo.

Morehead, Dr. C., Bombay Medical Service; Principal Grant Medical College from 1845. On breeding leeches. Bom. Med. and Phys. Trans. vol. i. 314.—On poisoning by arsenic. Ibid, vol. viii. 100.—On poisoning by opium. Ibid, vol. i. 323.—On the Cholera Infirmary. Ibid, vol. x. 321.

Mor Morah, a religious sect located in Siam. Account of. Capt. S. O. Hannay. Bl. As. Trans. 1838, vol. vii. 671.

Morton, Revd. W. Comparison of the Indo-Chinese languages with each other. Bl. As. Trans. vol. vii. 56.

Moulmein, account of. As. Jl. vol. xxii. 263.

Mudie. Picture of India. Lond. 1832, 2 vols. 12mo.

Muhammedan dynasties, history of. Lond. As. Trans. vol. i. 346.

——— law. Ibid, vol. ii. 210.

——— historians of India, catalogue of. Sir H. Elliott. Calcutta, 1849, 2 vols. 8vo.

Murphy, R. X. On some of the oldest races settled in Bombay, with a map. Bom. Geo. Trans. vol. i. 128, reprint.—Memorandum on Mahratta literature published at the lithographic presses, Bombay. Bom. As. Trans. vol. i. 363.

Murray, Dr., Bengal Medical Service. Topography of Meerut. Calcutta, 1839.

——— Dr., Bombay Medical Service. Climate of Mahableshwar. Bom. Med. and Phys. Trans. 1844, No. vii. 199.—Notes on the Sattara territory for 1848. Bom. Geo. Trans. vol. ix. 13.—On the hill climates of India. Bom. Med. and Phys. Trans. vol. vii. 4.—On lunar agency on disease. Ibid, vol. ii. 171.

Museum of Bengal Asiatic Society. (See Jameson.)

——— of economic geology at Agra. (See Smith.)

——— of economic geology of India. On the establishment of. Bl. As. Trans. 1842, vol. xi. 322.

——— at Bombay, Dr. Buist on. Bom. Geo. Trans. 1848, vol. vii.

——— of Bombay Asiatic Society. Bom. As. Trans. 1842.

——— in Nizam's Dominions. Bombay Times, August 8, 1846.

Musicians in India. Bl. As. Trans.

Musical fishes. (See Fishes.)

——— mountains in the peninsula of Sinai. (See Newbold.) Near Cabool. (See Burnes.)

——— rocks, South America. Humboldt on. As. Jl. 1825, vol. xx.

Muskat. Piddington's geological memoir of the igneous rocks at. Bl. As. Trans. vol. ii. 822.

Musquito, account of. Dr. Carter. Bom. As. Trans. 1844.

——— On the metamorphoses of. Dr. Gilchrist. Mad. Lit. Trans. vol. iv.

Mysore. Survey of. Lond. As. Trans. vol. i. 338, 345, 361.

——— Journey through. Dr. F. Buchanan. Lond. 1807, 3 vols.

N

Nadir Shah. Life of. J. Fraser. Lond. 1742.

Naga Hills. Journey into. (See Wood.)

Nagpore, or the Town of Serpents,—a Mahratta kingdom, formerly of very great extent, greatly curtailed in 1818; between lat. 18° 40′ and 20° 40′ N., and long. 78° 20′ and 83° E.—and Seetabuldee hills. Geological and mineralogical structure of. As. Res. vol. viii.

——— Minerals and geology of. (See Jenkins.)

Narbudda river, a magnificent stream, rising in the district of the same name, and emptying itself into the Gulf of Cambay, in Western India, lat. 20° 40′ N. Note on navigation of. Sir R. Shakespeare. Bl. As. Trans. 1844, vol. xiii. 295.

Narbudda river. Lieut. Ellwan's account of voyage on. Bl. As. Trans. 1844, vol. xiii. 295.
——— Memoir on. Capt. DelHoste. Bom. Geo. Trans. vol. l. 174.
——— Practicability of navigating. Lieut. Keatinge's notes on. Bom. Geo. Trans. 1847-48.
——— Voyage down. Lieut. Evans. Ibid.
——— Mathias' observations on. Ibid, 1836, vol. i. 170.
——— Sir John Malcolm on. Ibid, 181.
——— or Nerbudda, a large district in Central India, about 2,000 feet above the level of the Sea. Dr. Spilsbury on fossil deposits of. Bl. As. Trans. 1837, vol. vi. 321, 478.
——— Prinsep's notes on. Ibid, 488.

Naphtha, a mineral oil found in springs, and oozing out of rocks; largely used in India by painters in place of turpentine, called by them rock oil. (See Petroleum.) Found oozing from the rocks in Bunnoo. Edwardes' Year in the Punjaub, vol. i. 405.—Found in large quantities in Mesopotamia and Burmah.

Narrah and Arral rivers, lake Munchar. Report on. R. Knight. Bom. Geo. Trans. vol. vi. 90.
——— Report on. Lieut. Postans. Ibid, vol. iii. 122.

Naval forces in India in 1839 and 1845. Bombay Times, July 14, 1847.

Navy, Indian. Statistics of. Ibid, Overland, January 1 and February 1, 1841.

Neddungan and Jalook. Descriptive and geographical account of. Capts. B. S. Ward and Connor, Madras Survey Establishment. Bom. Geo. Trans. vol. iv. 102.

Negrais island, north of the mouths of the Irrawaddy river, in the district of Bassein, Burmah. (See Martin.)

Neilgherries, a magnificent mass of mountains near the southern extremity of the Western Ghauts, rising to an altitude of 8,500 feet at Dodabetta, where an observatory was established in 1845. Birch's topographical report of. Mad. Lit. Trans. 1838, vol. viii. 86.
——— Topography and climate of. Report on, published by the Madras Government, 1844.
——— Dr. Benza on. Mad. Lit. Trans. vol. iv. 241.
——— Letters from. Bombay Times, 1840, 491, 490, 507.
——— Letters from Sir Francis Ford on. Bombay Telegraph and Courier, 1840; separate pamphlet; Telegraph and Courier Almanac, 1851; Lond. As. Trans. vol. ii. 30.
——— Ouchterlony's geographical and geological account of. Pamphlet. 1848.
——— Dalmahoy's meteorology of the. Lond. As. Trans. vol. ii. 33.
——— Goa and the Blue Mountains (Neilgherries). (See Burton.)

Neilgarh. Kittoe's tour in the provinces of Orissa. Bl. As. Trans, vol. vii. 679.
——— Descriptive and geographical account of, by Messrs. Fox and Turnbull. Bom. Geo. Trans. vol. iv. 9.

Nellore, a district in the Carnatic, bounded by Guntoor on the north and Cuddapah on the west. Copper at. Heyne's Tracts on Indian Affairs, 108.
——— Diamond mines at. Ibid.
——— and Cuddapah. Ouchterlony's report on, published by Government. Madras, 1841, pamphlet, 8vo.

Nepal, a kingdom in Northern Hindoostan, betwixt the 27th and 37th parallels of latitude, separated from Thibet by the Himalaya mountains, and bounded on the south by the British territory. Sir John Shore's account of. Lond. As. Trans. vol. ii. 30.
——— Purity of Hinduism in. Lond. As. Trans. vol. i. 45, 258; As. Jl. 1817, vol. iii. 17, 614.
——— Account of the kingdom of. By Father Giuseppe. As. Res. vol. ii. 307.
——— The Guhya of the deceased Sita falling into it. Ibid, vol. vi. 477.
——— Account of the Bauddhas of. Ibid, vol. xvi. 409; language Newari, 410; literature of, 419.
——— Account of three tracts from. Ibid, vol. xvi. 450. Vide Ashlami Napallya Sapta.

Neufville, Capt. Geography of Assam. As. Res. 1828, vol. xvi. 331.

Newbold, Capt., 12th M. N. I., a distinguished geologist, and most accomplished Orientalist and scholar, Assistant to the Resident at Hydrabad. *Ob.* 1850. Beryl mine in Coimbatore, account of. Edin. New Phil. Jl. vol. xx. 241.—Valley of Sondar. Mad. Lit. Trans. 1838, vol. viii. part 1, 128.—Temperature of the springs, wells, and rivers in India and Egypt. Phil. Trans.; republished Edin. New Phil. Jl. 1845-46, vol. xl. 99.—Geological notes on the South Mahratta Country. Bl. As. Trans. 1845, vol. xiv. part 1, 268.—Osseous breccia and deposit in the caves of Billa Snorgum, Southern India. Ibid, 1844, vol. xiii. part 2, 610.—Visit to the bitter lakes, Isthmus of Suez. Lond. As. Trans. 1845, vol. viii. 355.—Geological notes from Masulipatam to Goa. (See Geology.)—On the Alpine glacier, iceberg, diluvial, and wave translation theories, with refer-

ence to the deposits of Southern India. Bl. As. Trans. vol. xiv. part 1, 317.—Geological notes across the peninsula of Southern India, from Kistapatam. Ibid, 308.—History of the Persian poets. Mad. Lit. Trans. vol. ii. 245.—Summary of the geology of Southern India. Lond. As. Trans. 1845, vol. viii. 138, 213.—Essays on the metrical compositions of the Persian poets, with a notice of their poetry. Mad. Lit. Trans. vol. iii. 113, 232.—On the code and historical MSS. of the Siamese; on the progress of Bhuddism to the eastward. Ibid, vol. vi. 117.—Recent fresh-water deposits near Kurnoul. Bl. As. Trans. 1844, vol. xiii. 313.—Account of the Mahomedan kings of Acheen. Ibid, vol. iv. 117.—Notice of Malayan code. Ibid, 300.—Site of Hai, or Ai, royal city of the Canaanites. Bom. Geo. Trans., vol. viii. 335.—Biographical notice of. Bombay Times, May 1850.

Nicholson, Dr., Bombay Medical Service. Account of the Kooree, or eastern branch of the Indus, showing the probable changes of its course, and the manner in which the old channels have been blocked up. Bom. Geo. Trans. vol. vi. 111.—Account of the Island of Perim. Bom. As. Trans. vol. i. 10.—Of the submerged city of Balabhipura. Lond. As. Trans. 1852.

Nile. (See Abyssinia and Cali.) On the course of the. Ibid, vol. i. 387.

——— and Ganges, their rise occasioned by rain. Ibid, vol. ii. 480.

——— of Ethiopia, or Cali river. Discourse on, by Lieut. Wilford. Ibid, vol. iii. 295; ancient epithets of, 304; its rise in the Oriental Marsh of Ptolemy, 308; Herodotus' account, 308; its course according to Juba, 309.

——— river. Ibid, vol. viii. 294.—Formed by the efflux of Osiris. Ibid, vol. xiv. 423.

——— Mr. Smith's account of sources of. Rep. Bom. Geo. Trans. 1852, vol. x.

——— Col. Sykes on. Lond. Geo. Trans. 1852.

——— Analysis of the mud of the. As. Jl. 1817, vol. iv. 522.

Niti pass, in the grand Himalayan chain, 1,400 feet above the sea. Visit to, by Mr. Botter, Bl. C. S. Bl. As. Trans. vol. vii. 310.

Nizam, territories of the. Extracts from Sir R. Russell's report. Bom. Geo. Trans. vol. iii. 176.

N'gami, or N'yassi, a great lake in Southern Africa. Mr. Cooley's account of; on state of information regarding. Lond. Geo. Trans. 1845, vol. xv.

——— Capt. Harris' notice of. Bom. Geo. Trans. 1838; Reports 1850.

——— Letters from Rev. Mr. Livingstone and Mr. Orwell, containing an account of visits to. Lond. Geo. Trans. 1850, vol. xx. 143.

Nuddea rivers. Report on. Bengal Public Papers, No. ii. Friend of India on. August 28, 1851.—Surplus from tolls over outlay since 1824, when works commenced, to 1839, Rs. 1,20,000, from 1840 to 1850, Rs. 1,815,000, or total 37 lakhs, drawn from a fund raised for local purposes, and transferred to the public treasury.

O

Observatories in India, historical notice of. Bombay Times, 1850.

——— in the Mauritius. Ibid.

——— of the King of Oudh, at Lucknow, account of. Col. Wilcox. Bl. As. Trans. 1838.

——— Brahmin, at Benares, account of. Sir Robert Parker. As. Jl. 1777, vol. v. 557.

——— at Aden. Mr. Mayes' papers, preface to. Bombay, 1852.

——— Discussions regarding. Capt. Montriou. Pamphlet.—Dr. Buist's reply. Pamphlet, 1851.

Oil, vegetable, manufacture of, remarks on. Dr. F. Buchanan. Bombay Times, 1850, 228.

——— fish. Ibid.

——— volatile aromatic. Bl. As. Trans. vol. viii. (See Jackson and Jasmine.)

Okhamundal, a district in Goozerat. Brief historical, geographical and statistical memoir of. Capt. G. Jacob. Bom. Geo. Trans. vol. vi. 157.

Olibanum, or frankincense, a valuable aromatic gum, chiefly imported from Northern Africa. Account of. H. T. Colebrooke. As. Res. vol. ix. 378.

——— Capt. Kempthorne's visit to Frankincense Country. Bom. Geo. Trans. vol. vi. 402.

——— Dr. H. J. Carter on. Bom. As. Trans. vol. iv. 330.

Oman. Account of. Mr. Cole, H. C. S. *Palinurus*. Bom. Geo. Trans. 1847, vol. vii.

Onore, port and forest of. Lond. As. Trans. vol. ii. 345.

Oodipoor, a Rajpoot principality of the highest rank, in the district of Ajmere, formerly called Meywar; surface mountainous and irregular; the Rana considered the most noble of the Rajpoot chiefs. Todd's Rajpootana.

——— Hardy's geology of. Edin. New Phil. Jl. vols. xiv. 203; xvi. 50, 278.

Oojein, an ancient city of Rajpootana. Mr. Hunter's account of. As. Res. vol. vi. 7, 36.

——— Description of magnificent observatory at. Ibid, vol. v. 194.

——— Malcolm's account of. Central India.

——— Dangerfield on. Ibid, Appendix.

——— Edinburgh Cabinet Library on.

——— supposed buried under a shower of earth or ashes. Lyell's Principles of Geology, vol. ii. 1832; vol. i. 1851.

——— Lieut. Edward Connolly's account of. Bl. As. Trans. 1837, vol. vi. 854. Demonstrates there is no appearance of submergence or convulsion about the place at all.

Oopas tree of Java. Horsfield on. As. Jl. vols. i. and ii; Lond. Phil. Trans.

Oossoor (soda) soils in North West Provinces injurious to fertility. Bombay Times, June 2, 4, 7, 1851. (See Soda.)

Opium, preparation of. O'Shaughnessy's Bengal Dispensatory, 172, 748.

——— Opposition, &c. Friend of India, 1838, 177; precautions against, 613.—Renewal of, &c Ibid, 1839, 116; suppression of, 162, 197.—Consequences of. Ibid, 1840, 529.—Revenue on three millions sterling. Ibid, 1848, 689.—Malwa, duty on. Ibid, 1850, 36.

——— Capt. Shirlwell on preparation of, for China market. Lond. 4to. 1852. 8 beautiful plates of processes.

——— smoking, effects of, on Malays, and on the gold-dust washers of Borneo. Lond. As. Trans. vol. iii. 7, 16.

Orian order of architecture, as exhibited in the temples of Kashmir, essay on. Capt. J. D. Cunningham. Bl. As. Trans. 1848, 241.

Orissa. Kittoe's journal, &c. Bl. As. Trans. vol. iv. 133.

——— Proper. Stirling's account of. As. Res. vol. xv.

Orlebar, A. B. Visit to the town of Sehwan. Bom. Geo. Trans. vol. vi. 95.—Account of the lake Loonar. Ibid, vol. 1. 9.—Note on the Ram Ghaut. Bom. As. Trans. vol. i. 119.—On Mahomedan architecture in Cairo. Ibid, vol. ii. 119.—On the geology of the Egyptian Desert. Ibid, 229.—Hygrometric tables by. Ibid, 309.—Report on the Bombay Asiatic Society's Museum. Ibid, 440.—On the meteorology of Bombay. Observatory Reports 1845, 1846. Bombay, 4to; British Association, 1847; London Athenæum; Reports of the Association.

Orme. History of Hindustan. Lond. 1799, 4 vols.

Ormesby, Lieut., I. N. Narrative of a journey across the Syrian Desert. Bom. Geo. Trans. vol. vi. 18.—Memoir on the rivers of Mesopotamia. Ibid.

Osborne, Mr. G. Report of a visit to the supposed coal-field of Bidjagum, otherwise called Vyagatham. Bl. As. Trans. vol. vii. 839.

——— Hon'ble J. W. Court and Camp of Runjeet Sing. Lond. 1840.

Oscar Island. Notices of its discovery. As. Jl. 1821, vol. xi. 272.

O'Shaughnessy, Dr. Bengal Dispensatory. Calcutta, 1842.—Explosion of gunpowder under water by galvanic battery. Bl. As. Trans. 1839, vol. viii. 851.—Preparation of Ganja, &c. Ibid, 732, 838.—Communication of telegraphic signals, &c. Ibid, 714.—Effects of sea-water on iron. Ibid, 1843, vol. xii. part 2, 1066.—Report on the establishment of the electric telegraph. Pamphlet. Calcutta, 1852. Published by Government.

Ouchterlony, Capt., Madras Engineers. Report on Nellore, Cuddapah, and Guntoor. Madras, 1841. —Statistical and meteorological report of the Neilgherry Hills, 1848. Bombay Almanac, 1850. —Account of Chinese war, &c. Lond. 1844.

Oude, southern. Topography of. Dr. Butter, 1839, 1 vol. 8vo.

Ousely, Major. Washing of gold-dust at Hera Khond. Bl. As. Trans. 1839, vol. viii. 1057.—Course of the Nerbudda. Ibid, 1845, vol. xiv. part 1, 354.—Antiquities of Jerguja. Ibid, vol. xxii. part 1, 65.

Oxus. Journey to. (See Burnes and Wood.)

Oxycanus Arian. Position of his territory. Lond. As. Trans. vol. i. 35.

P

Pahang, gold-dust of. Lond. As. Trans. vol. iii. 24.
Painting, peculiar method of, practised in India. Heynes' Tracts, 91.
Pali iuscriptious more ancient than those in Sanskrit, &c. Lond. As. Trans. vol. vi. 415, 423, 425; Friend of India, 1838, 148, 158.
Palitina. Inscription from rocks of. Major LeGrand Jacob's account of. Bom. As. Trans. vol. i. 62.
Palladin's account of the Brahmins, &c. Lond. As. Trans. vol. vi. 381, 392.
Pambar Mauche, or snake-boat of Cochin. Ibid, vol. i. 2, 6.
Pan. Account of the cultivation of. Ibid, vol. ii. 75.
Pandua Hills, journey across. (See Walters.)
Pandya. Historical sketch, &c. Lond. As. Trans. vol. iii. 199, 201, 203, 236, 241, 387.
Pandurang, an avatar of Vishnu. Ibid, vol. vii. 65.
Pangani boats. Ibid, vol. i. 2, 9.
Paper manufacture, Native. Bl. As. Trans. 1832, vol. i. 8.
——— at Surat. Bombay Times, May, 1850.
Parawas. Remarks on, &c. S. Chitty. Lond. As. Trans. vols. i. 159; iv. 130—134.
Parker, Sir Robert. Account of Brahmin observatory at Benares. As. Jl. vol. v. 557.
Parsees. Account of their emigration from Persia in the time of Abu Beer. As. Res. vol. ix. 233.
——— History of their arrival and settlement in India. Eastwick's translation from the Persian, with Wilson's annotations. Bom. As. Trans. vol. i. 167.
——— Sacred books of. Erskine on. Bom. Lit. Trans. vol. ii. 845.
——— Dr. Wilson on religion of. Bombay, 1843. 1 vol. 8vo.
——— of the western part of India, account of. Lond. As. Trans. 1817, vol. iii. 226.
——— Translation of the general Surze of. Dr. J. Wilson.
Pattala, a city in Scinde in Alexander's time. Site of ancient. McMurdo on. Lond. As. Trans. vol. i. 37, 206, 210.
Paton. Statistical sketch of Arracan. As. Res. 1828, vol. xvi. 353.
Paulghaut talook. Account of. Bom. Geo. Trans. vol. iv. 106.
Paumban channel, betwixt Hindoostan and Ceylon. Operations for the widening of. Col. Monteath on. Mad. Lit. Trans. vol. vi. 111.
Paunchpando, Malwa. Caves of Bhaujhear. Capt. Dangerfield's account of. Bom. Lit. Trans. vol. ii. 194.
Paunchgunny, a singularly dry station in the Mahabuleshwar Hills. Account of. Bom. Med. and Phys. Trans. vol. iii. 212; Bombay Times, June 1844.
Pearl-fishery of Ceylon. LeBeck. As. Res. vol. v. 393.
Pearls in the Mergui Archipelago. Lond. As. Trans. vol. iii. 49.
——— Mode of purifying in Ceylon. As. Jl. vol. xix. 51.
Pearse, Col. Astronomical observations in Fort William. As. Res. 1806, vol. vii. 551.
Peer Muggun, a place of Mahomedan pilgrimage, ten miles west of Kurrachee, famous for its hot springs and crocodile tank, from which it is erroneously supposed to derive its name, the crocodile here being the long-snouted garial or gavial, not the short-nosed muggur. About a hundred of these are kept in a marsh close by. (See Carless, Wilson, Eastwick, Hot Springs, &c.)
Peerson. Account of the ora chang, or ground fish of Bootan. As. Res. 1839, vol. viii. 551.
Pemberton. Mission to Bootan. As. Jl. 1840, vol. xxxi. part 1, 81.—Report on the eastern frontier of British India. Lond. Geo. Trans. 1838, vol. viii. part 3, 391.
Perfumed oils, manufacture of. Dr. Jackson on. Bl. As. Trans. vol. viii.—Jasmine flowers are kept for eighteen hours, mixed with seasamum or other oleaginous seed, and the oil perfumed by the flowers squeezed out by the press.
——— earth in Cutch. Capt. McMurdo on. Bom. Lit. Trans. vol. ii. 280.
Penang Pulo. Geology of. (See Ward.)
Perim, island of, Red Sea. (See Bruce.)
——— Gulf of Cambay. Dr. Lush on fossils of. Bl. As. Trans. vol. v. 290, 767.
——— Fulljames on. Ibid, 289; vol. i. 19.
——— Baron Hugel on. Bom. As. Trans. vol. i. 17.
——— Capt. Ethersey on. Bom. Geo. Trans. 1849, vol. ii. 55.

Perim. Dr. Nicholson on. Bom. As. Trans. 1841, vol. i. 10.
——— J. G. Lumsden on. Ibid, 25.
——— Dr. Falconer on. Lon. Geo. Trans. 1845, vol. i. 356.
——— Mr. Bettington on. Lond. As. Trans. 1845.
Perry, Sir Erskine, Chief Justice, Bombay; President of the Bombay Asiatic Society. Letter to Lord Campbell on Law Reform. Pamphlet. Lond. 1850.—Translation of Von Savigny's Law of Possession. Lond. 1848.—Character of the Hindu king Asoka. Bom. As. Trans. vol. iv.—On the aboriginal tongues of India. Bom. As. Trans. 1852.
Persian anthology. As. Jl. 1817, vol. iii.
——— poets. Lond. As. Trans. vol. i. 323.
——— Essay on the metrical compositions of. Ibid, vols. iii. 113, 232; i. App. vii. 25.
——— Topography of. Ibid, vol. i. 323. (See Newbold, Costume, Abbas Mirza.)
——— Press at Teheran. Ibid, vol. ii. App. xxiv. (See also Newspapers and Briggs.)
——— Gulf. Survey of, by Whitelock. Bom. Geo. Trans. vol. l. 113.
Peshawur, a province on the N. W. frontier of the Punjaub; until 1835 a possession of the Affghans; seized by us from the Seikhs in 1849. Elphinstone's account of his mission to Cabool. Lond. 1822; Masson's Beloochistan, Affghanistan, and the Punjaub. Lond. 1843, p. 131; Moorcroft's Punjaub and Bokhara, vol. ii. 337; Burnes's Travels, vols. i. 86; ii. 319; Wood's Journey to the Oxus, 154.
——— Malcolmson's (Dr. J. P.) account of the climate of. Bom. Geo. Trans. 1852, vol. x. Reports.
——— Raverty's (Lieut.) description of. Ibid.
Petrified wood in Ceylon. Sir W. Johnstone's notice of. Lond. As. Trans. vol. i.
——— at Trevecaree, near Pondicherry. Capt. Warren's account of. As. Res. vol. xi. 1.
——— Capt. Newbold's account of. Lond. As. Trans. 1846.
——— in Cutch. McMurdo's account of. Bom. Lit. Trans. vol. ii. 110.
——— on the Godavery. Dr. Vosey's account of. Bl. As. Trans.
——— Dr. Malcolmson on. Lond. Geol. Trans. 1839, 566.
——— in Scinde. Capt. Vicary's account of. Lond. Geol. Trans. 1845, vol. iii.
——— forest near Cairo. Dr. Buist's account of. Bombay Times, August 1846.
——————— Capt. Newbold's account of. Lond. As. Trans. 1844.
——————— Professor Orlebar's account of. Bom. As. Trans. 1846.
——— in the peninsula of Sinai, 4,500 feet above the sea. Dr. Wilson's Lands of the Bible, vol. i.
——— on the island of Perim, Gulf of Cambay. Dr. Nicholson's account of. Bom. As. Trans. vol. i.
——— near Pondicherry. Mad. Lit. Trans. 1844, 156.—The Perim and Pondicherry wood is full of worm-holes, and seems to have been in a state of extreme decay before petrifaction.
Petroleum wells in Burmah, account of. Capt. Cox. As. Res. vol. vi. 127.
——— springs near Hit, on the Euphrates. Winchester on. Bom. Geo. Trans. vol. iii. 15.
——— Vast abundance of, in the volcanic islands off Assam. Capt. Halsted's account of. Bl. As. Trans. 1841.
——— Capt. Hannay's account of. Ibid.—The wells farmed by Government yield close upon 93,000 tons a year; worth £90,000 annually; oil sells at about a shilling per cwt.
Phal to Thibet. Itinerary from. Dr. A. Campbell. Bl. As. Trans. 1848, vol. xvii. 257.
P'Hansigars, or gang robbers, a tribe of hill depredators. Description of, by Mr. James Arthur, Madras C. S. Mad. Lit. Trans. vol. i. 225; As. Res. vol. xiii. 250.
Piddington. Analysis of iron ore from Burdwan. As. Res. 1833, vol. xviii. part 1, 171.—Horn-book of Storms. Calcutta, 1847. Bl. As. Trans.—Museum of economic geology of India. Ibid, 1842, vol. ii. part 1, 322.—Examination of remarkable red sandstone from Kurnool. Ibid, 1844, vol. xiii. part 1, 336.—Notice of Treemenheerite, &c. Ibid, 1847, vol. xvi. part 1, 369.—Volcanic coal of Arracan. Ibid, 371.—Twenty-one memoirs on the laws of storms. Bl. As. Trans. from 1840 to 1852.
Pigou, Lieut. (See Topes.)
Pilgrim tax. Customary salutes or marks of respect to Native festivals not to be withdrawn, &c. Friend of India, 1838, 130, 212, 725; 1840, 161, 312.
Pind Dadun Khan, a village on the Salt Range, on the northern frontier of the Punjaub. Burnes's account of. Bokhara Travels, vol. i.
——— Dr. Jameson's account of. Bl. As. Trans.; reprinted Bom. Geo. Trans. vol. viii. 1848.
——— Dr. Fleming's account of. Bl. As. Trans. 1849, 664.

Pind Dadun Khan. Mohun Lall's account of Kalabagh. Bl. As. Trans. vol. vii. 25.
——— Notice of. Lond. Geol. Trans. April 1852.—Salt seams in old red sandstone. Sir R. Murchison believes eruptive.
Phillips, Revd. T. Missionary Vade Mecum; a condensed account of the literature, &c. of the Hindus. Calcutta, 1847.
Pindree glacier, excursion to. (See Madden, and Strachey.)
Pineapple, use of, &c. Friend of India, 1837, 354.
Pirates, Sooloo. Reports on, by Commander Blake, R. N. Bom. Geo. Trans. vol. ii. 1.
——— Illanoon. Information regarding, by Commander Blake, R. N. Ibid, vol. vii. 978.
Platina, discovery of, in Ava. Prinsep. As. Res. 1833, vol. xviii.
Payfair. Questions and answers on astronomy of Hindoos. Ibid, vol. iv. 159.
Plough. Letter from J. M. Heath on the introduction of, into India, from America. Lond. As. Trans. vols. i. 138; vii. 92.
Poets, Persian. Newbold on. Mad. Lit. Trans. vol. ii. 245.
——— of the Deccan, &c. Lond. As. Trans. vol. i. 137.
Poisoned valley of Java. Ibid, vol. iv. 104—199.
Poisoning, supposed cases of. O'Shaughnessy's Bengal Dispensatory. (See also Snakes.)
Po-koo-too. Translation from the Chinese work so entitled. Lond. As. Trans. vol. i. 57—213.
Poley, L. On the Upanishads, &c. Jl. Asiatique.
Pondicherry, a French settlement on the Coromandel Coast, south of Madras. Remarkable volcanic eruption near, in 1760. Piddington on. Bl. As. Trans. 1847, vol. xvi.; Annual Register, vol. i.
——— Dr. Buist on volcanoes of India. Bom. Geo. Trans. 1852, vol. x. 144.
——— Fossil beds near. Kaye on. Mad. Lit. Trans. 1844, 156.
——— Wood perforated by worm-holes like that of Perim, as if in a state of extreme decay before petrefaction. (See petrified wood.)
——— Fossil crustaceans, fishes, &c. Lond. Geol. Trans. 1845, vol. i. 18.
——— Sir P. Egerton's examination of fishes of. Ibid, 164.
Poona, Mahratta capital of the Deccan. Account of the ancient city of. As. Jl. 1816, vol. i. 160.
Poorundhur, hill fort of, now resorted to as a sanitarium, 4,300 feet high, 16 miles from Poona. Account of. Blacker's History of the Mahratta War.
——— Remarkable rocks of. Sykes on. Lond. Geol. Trans. 1835.
——— Inscription on copper-plate grant of. Coolie. Mad. Lit. Trans. vols. i. ii.
——— Account of Oomack Naik Comary. Ibid.
Pope, J. A. Revelations of Ardai-Viraf. Lond. 1816.
Porcelain clay at Mangalore. Account of. Dr. T. Christie. Bl. As. Trans. vol. x. part 2, 967.
——— of Mysore (kaolin). Capt. Campbell on. Ibid, 1841, vol. x. 163; Dr. Hunter's Mad. Jl. of Pract. Art. (See Bassein, Goa, &c.)
Porkie. Copper mines near. Report on. Bl. As. Trans. 1843.
Portuguese in India. As. Jl. 1817, vol. iii. 27.
——— in Macao, China.* Ibid, vol. x. 323.
——— in Bengal. Dr. Wise on. Corbyn's India Review, 1840, 350.
——— in Burmah. Friend of India, June 1852. (See Bassein.)
——— settlements in Africa, &c.; arrival in India. Lond. As. Trans. vol. i. 161—179.
Postans, Capt. T., Bombay Army, Political Agent Upper Scinde from 1839 to 1842. Account of Scinde, translated from Persian historians. Bl. As. Trans. vol. vii. 297.—Account of Jain temple at Badrasir, and ruins of Bodra Nagri, in Cutch. Ibid, 431.—Account of Girnar. Ibid, 865.—On the rivers Nile and Indus. Lond. As. Trans. vol. vii. 273.—Personal observations in Scinde. 1 vol. 8vo. Lond. 1843.—Route through Cutch, &c. Lond. Geo. Trans. 1844, vol. xiv. part 2, 193.—Memoir on Shikarpore. Bl. As. Trans. 1841, vol. x. 17.—Trade maintained in Cutch Bhooj with the East Coast of Africa. Bom. Geo. Trans. vol. i. 169.—Report on the Munchar lake, and Arral and Narra rivers. Ibid, vol. iii. 122.—On the Kamphatir of Dawodhar in Cutch. Lond. As. Trans. vol. v. 288.—Account of the Temple of Somnauth.
Potstone. Used by the Romans in the manufacture of cooking-pots. Found and worked in the Rajmahal hills. Bl. As. Trans. 1851, 561.
——— extensively manufactured in the Himalayas. Capt. Herbert on. As. Res. vol. xviii.
——— found under the laterite in the Concan, and manufactured all round Goa and Rajpoor. Dr. Gibson's description. Bom. As. Trans. vol. i. 141.
——— Capt. Del Hoste on. Bom. Geo. Trans. 1848.

Potstone near Trai-caury, Malabar. Dr. Buchanan's account of. Bom. Geo. Trans. vol. ii. 62. —Called Bellapana by the Natives.
Pott, A. F. Die Zigeuner; a history of the gypsies, &c. Halle, 1844.
Pottery. Dr. Hunter's improvements on Madras. Mad. Jl. of Pract. Arts, *passim*, 1850 and 1851.
——— Manufacture of, in India. Bombay Times, December 29, 1850.
——— Native, report on. O'Shaughnessy's Bengal Dispensatory, Appendix.
——— Improvement of, in Bengal. Friend of India, 1845, 435.
——— Capt. Campbell on manufacture of in Southern India. Cal. Jl. Nat. Hist. 1832.
Pottinger, Sir H., Bombay Army; afterwards Governor of Hongkong, Cape of Good Hope, Madras. Travels in Beloochistan, 1815. 1 vol. 4to.
——— Lieut. W. On the present state of the Indus. Lond. As. Trans. vol. i. 148—199.
Powanghur, near Baroda, hill of. Dr. Arnott's account of sanitary station. Bom. Geo. Trans. 1839, 33.
——— and Punala, in Southern Mahratta Country. Account and drawing of. Welsh's Military Reminiscences, vol. ii. 776.
Prabat. Impression of Buddha's foot at. Lond. As. Trans. vol. iii. 317.
Prabodha-Chandrodaya, translated by Dr. John Taylor, of Bombay. Lond. 1812.
Prinsep, Augustus. On the traces of feudalism in India. Lond. As. Trans. vol. viii. 390.
——— James, Bengal Medical Service, Assay Master Benares, afterwards Calcutta; Secretary Bengal Asiatic Society, and Editor of their Transactions; for ten years stood in India unapproachable as a numismatologist, antiquary, philological inquirer, and man of almost universal and most profound attainments. *Ob.* 1840, in the fortieth year of his age, prematurely worn out by excess of mental exertion. Discovery of platina in Ava. As. Res. 1833, vol. xviii. part 2, 279.—Remarks on the internal commerce and exchange of Bengal. Lond. 1823.—On the measurement of high temperatures. Gleanings in Science, vol. i. 148.—On pyrometry. Ibid, 149.—Account of the minerals brought from the turquoise mines, near Nishapur, in Persia. Ibid, vol. ii. 375.—On the hot springs on the coast of Arracan. Ibid, vol. iii. 16.—Notice of a metallic button, supposed to be platina, from Ava. Ibid, 39.—On accurate balances. Ibid, 218. —Account of the bridge over the Caramnassa. Ibid, 297.—On minerals from Ava. Bl. As. Trans. 1832, vol. i. 14.—Notes on the magic mirrors of Japan. Ibid, 242.—Translations of Oriental accounts of the precious minerals. Ibid, 353.—Paper on the Roman coins in the cabinet of the Asiatic Society. Ibid, 392.—On the standard weights of England and India. Ibid, 442.—Notes on the Jubbulpore fossil bones. Ibid, 450; vol. iv. 583.—Note on fossil bones from Jumna. Ibid, vol. iii. 622.—Note on fossil bones from Nerbudda. Ibid, 396.—Account of Greek, Persian, Bactrian, and Hindu coins. Ibid, 1833, vol. ii. 27, 40, 405, 649.—On Behut coins. Ibid, vol. iii. 44.—Note on Manikyala coins. Ibid, 313, 436, 503.—On Canouj coins. Ibid, 433.—On new Bactrian coins. Ibid, vol. v. part 2, 548, 720.—On Mithriac coins. Ibid, 639.—On Hindoo coins. Ibid, 644.—On Indo-Sassanian coins. Ibid, 1837, vol. vi. part 1, 288.—On Ceylonese coins. Ibid, 298.—Description of a compensation barometer. Ibid, vol. ii. 258.—Experiments on the expansion of metals. Ibid, 130.—Note on Nagpur climate. Ibid, 532.—On ascertaining heights of mountains from the boiling-point. Ibid, 194.—Experiments on iron. Ibid, 1834, vol. iii. 191.—Note on inscription on the Mathiah Lath column, near Battiah. Ibid, 483.—Note on the brown liquid discovered in the cylinders found at Manikyala. Ibid, 567.—On inscription on Damatha cave. Ibid, 1836, vol. v. part 1, 280.—On ancient inscriptions. Ibid, 340, 482, 554, 657, 724, 795.—Note on the discovery of Grecian sculpture in Upper India. Ibid, 568.—Note on the Vallabhi dynasty. Ibid, 685.—On the nautical instruments of the Arabs. Ibid, 784.—On salt from Samar. Ibid, 793.—Note on Arnaravati inscription. Ibid, 1837, vol. vi. part 1, 218.—On fossils discovered when boring in Fort William, Calcutta. Ibid, 235.—On a grammar of the Sindhi language. Ibid, 347.—On Saurashtra coin legends. Ibid, 378.—Note on Bhilsa monument. Ibid, 451—460.—Interpretation of the inscription on the pillar of Feroze Shah, near Delhi. Ibid, 566.—On the language of the Buddha scriptures. Ibid, 686.—On Bareilly inscriptions. Ibid, 777.—On Multaye inscriptions. Ibid, 869.—On Bundelcund inscriptions. Ibid, 881.—On Allahabad pillar inscriptions. Ibid, 963.—On Sanihadri cave inscriptions. Ibid, 1044.—Note on inscriptions from Oorunckpore. Ibid, 1838, vol. vii. part 1, 36, 40, 51.—On discovery of the name of Antiochus the Great. Ibid, 156.—On Indian coal. Ibid, 197.—On the edicts of Pyadasi, or Asoka, the Buddhist monarch of India. Ibid, 219.—On inscriptions from Girnar, in Guzerat, and Dhaulla, in Cuttack. Ibid, 334, 434, 537, 562.—On rupography. Ibid, 414.—On discovery of Bactrian alphabet. Ibid, part 2, 636.

Prinsep, Henry Thoby, Bengal C. S., Secretary to Government; afterwards Member of Council of India. Political and military transactions in India from 1813 to 1818, 1 vol.—Life of Runject Sing. Lond. 8vo.—Recent discoveries in Bactrian numismatology. Lond. 1844, 8vo.—Memoir of. Corbyn's India Review, 1839.

——— George, Barrister. Account of steam vessels, and proceedings connected with the introduction of steam into India. Calcutta, 1830. 1 vol. 8vo.; Gleanings in Science, vol. iii. 1831.—Account of island of Saugor. Ibid.—Frightful inundation in Cuttack in May 1830. Bl. As. Trans. 1832, vol. i. 25.

Prison discipline of India. Calcutta Review, 1849.

——— Committee on, Calcutta, 1836 and 1838. Ibid.

——— Report on. Ibid.

——— Saunders' Magazine on. Nos. ii. iii. 1851.

Punjaub revenues and administration. Friend of India, 1850, 243.

——— Second war. Cal. Rev. 1849, No. xxiii.

——— Route through. (See Vigne.)

——— Commercial relations. Burnes' Travels to Bokhara.

——— History of. Lond. 1844, 2 vols.

——— Steinbach's Punjaub. Lond. 1845.

——— Frontier travels in. Edwardes' Punjaub. Lond. 1851, 2 vols. 8vo. (See Seikhs.)

Purans. Essay on. Lond. As. Trans. vol. v. 61, 280. (See Wilson, H. H.)

——— Brief analysis of antiquity of. Ibid, vol. vi. 440, 483.

——— Analysis of. H. H. Wilson. Bl. As. Trans. 1832, vol. i. 235.

——— (Bhajavata). Translated into French by Burnouf. Paris.

——— (Vishnu). Translated by H. H. Wilson. 1840.

Puri, and the temple of Juggonnath. Cal. Rev. 1848, No. xix.

Q

Quadrant, Chinese, of a singular construction. As. Jl. 1821, vol. xi. 589.

Quandahar. (See Candahar.)

R

Raffles, Sir Thomas Stamford. History of Java. Lond. 1817, 2 vols. 4to.

Railroad laid down in the Vaduvaur district. Mad. Lit. Trans. 1836, vol. iv. part 2, 346.

Railways in India. History of. Bombay Times, May 1850.

——— Pamphlet on, by Mr. Williamson, Revenue Survey. Lond. 1849.

——— Papers, illustrative of the prospects of the Great Indian Peninsula. Bombay, 1846. Pamphlet.

——— Report of Mr. Simms on the practicability of introducing, into Bengal. Appendix contains the papers of the Peninsular. Calcutta, 1846. Bombay Times on. 1846, 397.

——— "Our Indian Railways." Cal. Rev. 1847, vol. vii. 321.

——— East India railway company. Remarks on. 4to, 1848.

——— Tankaria and Baroda, cost estimated at 16 lakhs. Pamphlets and Reports on, 1849 and 1850.

——— Dhollera, commenced and finished in six months' time. Bombay Times, May 1851.

——— Report on Madras. Pamphlet, 1852.

——— from Calcutta to Rajmahal. Friend of India, 1838, 145.

——— East Indian. Ibid, 1850, 33, 193, 496, 576, 803.

——— Progress of the Goozerat. Ibid, 37, 129, 386, 513, 531, 563.

Rain tables for all parts of India. Bombay Times Almanac, 1851.

Rain. At Bombay, since 1815. Bombay Times Almanac, 1851.

——— at Calcutta, since 1832. Surveyor General's Reports. Ibid.

——— Remarkable falls of: at Geneva 25th October 1822, 32 inches fell in twenty-four hours; at Flangargues, 9th September 1801, 14 inches fell in eighteen hours; on the 20th May 1827, 6 inches fell at Geneva in three hours; at Perth, on the 3rd August 1829, four-fifths of an inch fell in half an hour; on the 22nd November 1826, nine-tenths of an inch fell at Naples in thirty-seven minutes. Forbes. Rep. Brit. Ass. 1840.

——— In India: at Mahableshwar, in 1834, 302 inches fell in one hundred days; on the 4th of October 1846, 10 inches fell at Chittledroog in twenty-four hours; at Bombay, in 1844, 7½ inches fell in twenty-four hours; 2 inches fell in seventy minutes on the 1st, 0·43 inches on the 10th, and 12 inches on the 26th July 1849, at Bombay. Sykes on. Phil. Trans. 1850; Rep. Brit. Ass. 1849.

——— At Rajkote, on the 26th and 27th July 1850, 26 inches fell in twenty-four hours, and 35 inches in thirty-six hours,—7 inches fell in one hour and a half,—being the largest fall on record; at Ahmedabad, 13.5 inches fell in twenty-four hours on the 23rd and 24th July. Bombay Times, August 1851.

——— At Cherrapoonj, 227 inches fell in June 1841—600 being about the average for the season; in August 150 inches fell in five days, and 264 inches within the month. Capt. Yule's account of the Cassia Hills. Bl. As. Trans. vol. xiii. 616. (See also Showers.)

——— Causes of diminution of, as the height above the ground increases. Dalmahoy on. Edin. Phil. Jl. (Jameson's) 1842, 10.

——— Experimental researches on. Philips on. Rep. Brit. Ass. 1840.

——— On the formation of. G. A. Rowell. Ibid, 48.

Raja Rajendra. Lond. As. Trans. vol. iii. 210.

Raja Naidu on the revenue system of Fort St. George. Ibid, vol. i. 292. Of Nagpore territories. (See Jenkins.)

Rajasthan. Col. Todd's annals and antiquities of. Lond. 1829, 4to.

Rajpeepla Hills. Cornelian mines in. (See Lush, Fulljames, Orlebar, Cornelian, &c.)

Ramaswami Kurvelley Venkatta. Biographical sketches of Deccan poets. Lond. As. Trans. vol. i. 137.

Ramayan, translated by Marshman. 1 vol.

——— by A. G. Schlegel. 1 vol.

——— by Goverzio. 6 vols.

Ram Bree, or Ramree, volcanic island of Kyouk Phyoo, Arracan. Lieut. Foley's account of. Bl. As. Trans. vol. viii.

——— Report of Coal Committee on. Dr. Spry's account of, 1841. Ibid, vol. x. 148.

Ramchunder Roy, under the direction of the Hon'ble H. T. Prinsep. General Register of the Hon'ble East India Company's Civil Servants on the Bengal establishment, from 1790 to 1842. Calcutta, 1846.

Ramgar. Keir's account of the method of distilling at. As. Res. vol. i. 309.

Ram Ghaut. Note on the geology of. Professor Orlebar. Bom. As. Trans. 1842, vol. i. 200.

Rammohun Roy, Rajah. Translations of books, passages and texts of the Vedas. Lond. 1832. Title of a paper in Cal. Rev. 1845, No. viii.—His exertions for the abolition of Suttee. Lond. As. Trans. vols. i. 166; iv. 160.

Ramnad. Account of the province of, &c. Ibid, vol. iii. 165, 176, 181, 184, 186—188.

Ramoosies. Capt. McIntosh on. Ibid, vol. ii. 230.

——— in the Poona and Ahmednuggur Collectorates. Capt. Mackintosh on. Mad. Lit. Trans. vol. ii. 41, 105, 138.

Ram Raj. On trial by jury. Lond. As. Trans. vol. iii. 244; vol. i. App.—Notice of his essay on the architecture of the Hindus. Ibid, vol. i. 145, 166; and App.

Rankin's topography of Sarum. Calcutta, 1839.

Raper, Capt. Survey of the sources of the Ganges. As. Res. 1810, vol. ii. 445.

Rattas, the. Lond. As. Trans. vol. iv. 37.

Ravenshaw, E. C. Memorandum on the ancient bed of the river Soane. Bl. As. Trans. vol. xiv. 137.

Rawlinson, Lieut. Col., Bombay Army, Resident Bagdad. On the comparative geography of Affghanistan. Lond. Geo. Trans. 1842, vol. xii. part 2, 112. Long and invaluable series of papers on Assyrian antiquities and cuneiform character, from 1850 to 1852.

Redout-Kali. Russian post of; its rise. Lond. As. Trans. vol. i. 289.

Reformation. Impulse given to Oriental literature by the. Ibid, vol. ii. 3.

Reg Ruan, or Bell Mountain, near Cabool. Lond. As. Trans. vol. vii. 78; Bl. As. Trans. 1838. (See Burnes.)

Regur, or black cotton soil, so fertile as to stand cropping for 2,000 years without manure; supposed by Vosey and Christie to be disintegrated trap; found of the same composition over all manner of rocks, and believed by Newbold, most probably correctly, to be alluvial. Newbold's geology of Southern India. Lond. As. Trans. 1840, vol. viii. 259; Cal. Rev. 1848.—See black soil of Central Russia. Edin. Phil. Jl. 1851, 394.

Remusat, A. Melanges Asiatiques. Paris, 1825.

Rennel's memoirs of Hindustan. Lond. 1788. Principal Robertson on. 1808.

Rennie, Dr. Medical topography of Ghurrial and Cumoon; frightful pestilence in. Public Papers, 1851, 8vo.

Renonard. (See Amazirgh.) Lond. As. Trans. vol. iii.

Reynolds, Lieut. Notes on the Thugs. Lond. As. Trans. vol. iv. 200; Mad. Lit. Trans. vol. iv. 85.

Rhinoceros, horns of, trade in. Ibid, vol. iii. 43.

Rice. Cultivation of, in Tenasserim. Ibid, 29.

Richardson, David Lester. The Anglo-Indian passage homeward and outward. Calcutta, 1845.

Rigby, Lieut. C. P., Bombay Army. Notes on geological specimens, and on a Jain inscription in the Belgaum collectorate. Bom. Geo. Trans. vol. vii. 128.—Vocabulary of the Somali language. Ibid, 1850, vol. ix. 120.—On the N. E. Coast of Africa, and tribes by which it is inhabited. Ibid, vol. vi. 69.—Report on Torun Mal. Ibid, vol. ix. 1.—On the Satpoora mountains. Ibid, 00.

Ripa, Father. Memoirs of thirteen years' residence at the court of Pekin. Lond. 1844.

Ritchie, Leitch. The British world in the East. Lond. 1846.

Ritter. On Zend and Pehlivi languages. Separately 8 vols.—Translation from. Bom. As. Trans. vol. ii. 251.

Roads, hill. Establishment of, in N. W. Provinces. Friend of India, 1850, 2.

——— Capt. Seely's road-book of India. Lond. 1825.

Robertson, Dr. Disquisition on India. Lond. 1809.

Robinson, W. Descriptive account of Assam. Calcutta, 1841.—Notice of. Friend of India, 1841, 740.

Roe, Sir Thomas. Embassy to the Emperor Jehangir. Lond. As. Trans. vol. i. 323, 327.

Rohillas, Affghun. Hamilton. Lond. 1787.

Rohilcund, its terai and irrigation. Cal. Rev. 1846, No. ix. (See Waterfalls.)

Roman coins found in Coimbatore, 1842. Account of. Mad. Lit. Trans. 1844.

——— found near Quilon. Bl. As. Trans. 1849.

——— relics, iron-works, &c. Heyne on. Tracts on India.

——— at Alluhabad, Nellore. Paper on collection of Bl. As. Soc.—50 in number, extending over a period of 1,000 years, from the Augustine age to the decline of the lower empire. Prinsep's catalogue. Bl. As. Trans. 1832, vol. i. 393.

——— Dr. Bird on. Bom. As. Trans. vol i. 291.

Romer, John. Illustration of the language called Zend and Pehlivi. Lond. As. Trans. vol. iv. 345. (See Wilson.)

Roorkee. Civil Engineering College at. Friend of India, 1850, 549.

——— Account of. Pamphlet. Public papers of Government N. W. Provinces, 1852. Friend of India, Delhi Gazette, and Bombay Times on. August 1852.

Roses, otto of. Mr. Jackson on manufacture of, near Ghazepore. Bl. As. Trans. vol. viii. 411.—It requires 8,000 roses, with ten or eleven seers of water, to produce eight seers of rose-water.

——— Col. Polier on. As. Res. vol. i. 322.

Ross, Capt. Daniel, a distinguished hydrographer; Marine Surveyor General for India; afterwards Master Attendant, Bombay; President Bombay Geographical Society. Born 1780, died 1840. Notice of labours of. Bl. As. Trans. vol. vii.—Memoir of. Bombay Times, and Bombay Telegraph and Courier, July 1840.

Rosslyn, Professor. Notice of his work on Egypt. Lond. As. Trans. vol. viii. 365.

Routledge, Major. (See Sumbulpore.)

Roxburgh, W. Essay on the lac insect. As. Res. vol. ii. 361.

——— Dr. On the butea plant, &c. Ibid, vols. iii. 469; iv. 405, 433; v. 167; vii. 170; xi. 318.

Russell, Sir H. Extracts from report on the territories of the Nizam. Bom. Geo. Trans. vol. iii. 176.

Royle, Dr., Bengal Medical Service; in charge of the Botanical Gardens, Seharunpore. Geographical description of the flora of India. Rep. Brit. Ass. 1840, part 3, 74.—Illustrations of the botany, &c. of the Himalaya mountains, 1839. Productive resources of India. Lond. 1840.—On the culture of cotton in India. Lond. 1851, 1 vol. 8vo.

Runjeet Sing. Life of. H. T. Prinsep. Lond.—Conquest of Cashmeer by. As. Jl. vol. x. 94.—Court and camp of, by the Hon'ble G. Osborne. Lond. 1840.

Russian College at Pekin. Commerce with Asia. Works of the Society. As. Trans. vol. i. 103, 289; and App. vii. 23.

S

Sabata. Town of. Lond. As. Trans. vol. iii. 6.

Sabda Kalpa Dauma, a Sanskrit Encyclopædia lexicon. Ibid, vol. ii. 188.

Sabha Parva, of Mahabharata. On the. Ibid, vol. vii. 137.

Sabine, Col. Meteorology of Bombay. Rep. Brit. Ass. 1845, 73.

Sagur district. Trap formation of. Capt. Coulthard. As. Res. vol. xviii. part 1, 47.

Salem. Iron-works of. Bl. As. Trans. 1832, vol. i. 253.

Salsette and Bombay. Population of the islands of, in 1826 and 1827. Bom. Geo. Trans. vol. iii. 74.

Saline deposits near Sultanpore. Dr. Spry on. Bl. As. Trans. vol. i. 503.

—— in Bengal. Revd. Mr. Everest on. Ibid, 1832, 149.

—— near Hyderabad, Deccan. Dr. Malcolmson on. Ibid, 1833, vol. ii. 77.

Salt mines of Gumba and Dring. Account of. Bombay Times, September 4, 1850; Bl. As. Trans. 1843, vol. xiii. Dr. Jameson.

—— Range, Punjaub. (See Pind Dadun Khan, Burnes, Fleming, Jameson, &c.)

—— Dr. Giraud's analysis of. Bom. As. Trans. vol. i. 303.

—— Account of, on Malabar Coast. As. Jl. 1821, vol. xii. 451.

—— manufacture, in India. Dr. McClelland on. Cal. Jl. Nat. Hist. vol. ii. 224.

—— Calcutta Review on. 1849, vol. vii. 521.

—— Manufacture of, at Bombay. Bombay Times, June 1850; Appendix to the railway papers, 1846; Bom. Geo. Trans. 1852, vol. x. 219.

—— common, by the Natives in Behar. J. Stevenson on. Bl. As. Trans. vol. iii. 36.

—— Method of extracting from the bed of the Jumna. Lieut. J. T. Burt. Ibid, 33.

—— Colouring matter of. Dr. Carter. Bom. As. Trans. 1850, vol. iii. 32.

—— from Scinde. Capt. DelHoste. Bom. Geo. Trans.

—— Calcutta and Bombay. Capt. Burke, Bombay Engineers. Pamphlet. (Scinde Salt versus Cheshire.) Lond. 1847.—A single bed of Scinde salt is 20 miles long, 13 broad, and 3 feet thick, and contains, therefore, 929,280,000 cubic yards of salt.

—— Masses of, discovered near Hormuz, Persian Gulf. Dr. Winchester on. Bom. As. Trans. vol. i. 117.

—— river Doon, near Kolapore. Rigby's notice of. Bom. Geo. Trans. vol. vii. 129.

—— springs and ponds near Hit, on the Euphrates. Dr. Winchester. Bom. Geo. Trans. vol. ii.

—— lakes. Sammar, Ajmeer. Bl. As. Trans. 1836, vol. v. 804.

—— works at Panchpadder, Mairwarra. Sir A. Burnes' account of. Ibid, 1833, vol. ii. 365.

—— Report on the spurious kinds of, called puckwa and phool-khoree. H. Piddington. Ibid, vol. x. 939.

—— Tax. History of. Friend of India on. Nov. 13, 1844.

Saltpetre. J. Stevenson on manufacture of, at Tirhoot. Bl. As. Trans. 1833, vol. ii. 23.

Saltigit, or native alum, of Nepaul. Dr. Campbell on. Ibid, 482.

Samarkand, a celebrated city in Thibet, strongly fortified, and abounding in seminaries of learning. Mir Izzet Ulla. Lond. As. Trans. vol. vii. 329.

Sami stone, or god stone. This name seems to be applied to two distinct varieties of mineral: samada stone, or corrund, and a variety of agalamatalite or pagodalite, a variety of steatite in much demand in China, and in some parts of India, for the manufacture of images and

figures. It is much used, also, in putting a finishing polish on steel and other metals, and brightening sword blades, bridle bits, &c. Bl. As. Trans. 1845, vol. xvi.

Samkasa, Bhuddist city. Discovery of ruins of. Lieut. A. Cunningham. Lond. As. Trans. vol. viii. 241.

Sanaa, capital of Yamen. Journal of excursion to. Lieut. J. G. Cruttenden, I. N. Bom. Geo. Trans. vol. ii. 39.

Sanchi tope, near Bhilsa. Impression of Danams taken by Capt. J. S. Burt. Bl. As. Trans. vol. vii. 562.

Sandal-wood island. Account of. As. Jl. 1822, vol. xiii. 535.

Sand. Showers of, in China, 26th March 1850,—lasted several days,—about ten grains to the square foot collected in one day, or about eighteen tons per square mile. These showers are frequent—three occurred in 1850: the natives believe that the dust comes from the desert of Gobi. Chinese Repository, 1850; Bl. As. Trans. 1851, 193.

Sandstone, flexible. Note on. Dr. H. Falconer. Bl. As. Trans. 1837, vol. vi. 240, 987.

Sanskrit. Dictionary in, and English. Dr. Yates. Calcutta, 1848.

——— language. Grammar of. Calcutta, 1845.

——— lexicon. Kadhakanta Devee. Calcutta, 1819, 4to.

——— literature. Cal. Rev. 1845, Nos. v. vi.

——— Encyclopædia. Analysis of part of. Lond. As. Trans. vol. ii. 1880.

——— MSS. donation of, by D. C. White. Ibid, vol. iii. App. lxiii.

——— not the language of the oldest inscriptions. Ibid, vol. vi. 411.

——— literature. Government encouragement of. Friend of India, 1841, 305, 452, 547, 593.

Sarnath. Capt. A. Cunningham on statues discovered at. Bl. As. Trans. 1836, vol. v. 588.

Saringapatam. Geological notes on. Capt. Newbold. Ibid, 1846, vol. xv. 315.

Sathpoora mountains. Lieut. C. P. Rigby. Bom. Geo. Trans. vol. ix. 69.

Sattara Territory. Notes on meteorology of, for 1848. Ibid, 13.

——— Various statistics of. As. Jl. 1818, vol. vi. 426, 441.

Satlaj, or Sutlej river. Capt. C. M. Wade's voyage on, from Loodiana to Mithenkote, in 1822-3. Bl. As. Trans. 1837, vol. vi. 169.

Saunders, Capt., I. N. Account of Survey from Ras Morbat to Ras Fartak, in Southern Arabia, in 1844. Lond. Geo. Trans. 1846, vol. xvi. 169.

Sayer. Authentic account of the variable imports of the north and south Konkan. Bom. Geo. Trans. vol. iv. 137.

Scandinavian and Oriental antiquities. Dr. Buist on connection betwixt. Bom. As. Trans. vol. ii.; Bl. As. Trans. 1852.

Schlegel, Professor. On Bactrian coins. Bl. As. Trans. 1833, vol. i. 407.

Scinde. Commerce of. Capt. Cotgrave on. As. Jl. vol. xxiii. new series, part 1, 203.

——— McMurdo's account of. Lond. As. Trans. vol. i. 151—277.

——— Ameers of. Cal. Rev. 1844, No. i.

——— Memoir on. Capt. DelHoste. Bom. Geo. Trans. vol. i. 22.

——— Visit to the court of, by Dr. James Burnes, K. H. Edin. 1839, 1 vol. 12mo.

——— and Affghanistan. March through. Revd. Mr. Allen. Lond. 1843.

——— Dr. Winchester's notes on. Bom. Geo. Trans. vol. vii. 194.

——— Dry leaves from Young Egypt. Capt. Eastwick. 1847. 2nd Edn. with additions. 1852.

——— and the Indus. Observations on, as far up as Bukkur. Lieut. R. N. Magrath. Bom. Geo. Trans. vol. ii. 25.

——— and Beloochistan. Pottinger's Travels. 1815, 4to.

——— Translation of Ibn Huskut's account of. Major Anderson. Bl. As. Trans. 1852, 49.

Scindee language. Vocabulary of. Capt. E. B. Eastwick. Ibid, 1843, vol. xii. 1.

Scindiah. Surrender of, to General Knox. As. Jl. 1819, vol. vii. 183, 202.

Scientific researches in India. Rep. Brit. Ass. 1838, vol. vii. 22.

School system of the Hindoos. Lond. As. Trans. vol. i. 15.

Schoolmaster of a Hindoo village. Condition of. Ibid, 19.

Scott, Dr., Madras Medical Service. On cholera morbus. 1822, 1 vol. 4to.—History of the Deccan. Shrewsbury, 1794, 2 vols.

Scythian remains in India. (See Celtic.)

——————— in Orissa. Capt. Kittoe on. Corbyn's India Review, 1839.

——————— on the Neilgherries. Capt. Cotgrave on. Mad. Lit. Trans. 1847.

——————— Dr. Semidt on. Bom. As. Trans. 1849—1852.

Scythian remains near Ferozabad, on the Bheema, Deccan. Capt. Medowes Taylor on. Bom. As. Trans. 1852, 170; Walshe's Military Reminiscences, vol. ii.

——— ——— amongst Cassia hills, Sylhet. Yule's notes on. Bl. As. Trans. 1844, vol. xiv. 618.

——— ——— in Circassia. Bell. Ibid.

——— ——— Revd. W. Taylor on, in various parts of the Carnatic. Mad. Lit. Trans. 1847.

Sea. Covers about three-fourths of the surface of the globe; average depth four miles; greatest depth fathomed six miles and a half—no bottom found. Remarkable milk-white luminous appearances on. Lond. Geo. Trans. vol. vii. 222; Bom. Geo. Trans. vol. ix. Report.

——— covered with froth; supposed to be marine volcano. Bl. As. Trans. 1847, vol. xvi. 382.

——— Observations on temperature and specific gravity of. G. Prinsep. As. Res. vol. xv.; App. to vols. xv. and xvii.

——— Dr. Davy on. Lond. As. Trans.

——— Red. Dr. Malcolmson on saltness of. Ibid, 1837.

——— ——— Mr. Morris on. Bom. Geo. Trans. 1850, vol. ix. 30.

——— Newbold on temperature of. Phil. Trans. 1845; Edin. Phil. Jl. (Jameson's) 1846; Lond. Geo. Trans. vol. i. 311.

——— Mediterranean. Dr. Woolerstone on. Phil. Trans. 1829, part 1; quoted by Lyell Principles of Geology, vol. i. 296; Bom. Geo. Trans. 1850, 46.

——— On the saltness of the. Lieut. Maury. Washington Observatory Reports, 1852.

——— Encroachments of, at Madras. As. Jl. 1821, vol. xi. 186.

——— water. J. Middleton on specific gravity of. Bl. As. Trans. vol. xiii. 766.

——— snakes. Account of death occasioned by, on board H. M. S. *Wolf*. Madras Spectator on, 1838; As. Jl. 1838.—Coluber laticaudatus. (Linn.) Hydros Colabrinos of Shaw. Plentiful all over the Indian Ocean: have no isolated poison fangs, like land poisonous snakes.

——— ——— venomous, on the coast of Madras. Account of. As. Res. vol. xiii. 329.

Seharanpar. Account of the Government Botanical Gardens at. Dr. Royle, in charge. Bl. As. Trans. 1832, vol. i. 41.

Seikhs and their colleges. Observations on. Charles Wilkins. As. Res. vol. i. 289.

——— and their country. Cal. Rev. 1844, vol. ii. No. iii.

——— Origin of. H. H. Wilson on. Lond. As. Trans. 1848, vol. ix. 43.

——— Macgregor's history of. Lond. 1846, 2 vols.

——— and Affghans. Shamalat Ali on. Lond. 1847, 1 vol. 8vo.

——— States, protected. Botanical and agricultural account of. M. P. Edgeworth. Bl. As. Trans. vol. vii. 751.

——— invasion of British India in 1845-46. Cal. Rev. 1848.

——— History of. Capt. J. D. Cunningham. Lond. 1849.

——— arms. Quantity recovered. 1850. Lahore Chronicle; Bombay Times.

Seely, Capt. R. The wonders of Ellora. Road-book of India. Lond. 1825.

Seersa to Bahawulpore. Route from. Major Mackeson. Bl. As. Trans. vol. xiii. 297.

Seisthan. Description of country. Lieut. R. Leech. Ibid, 115.

——— Physical geography of. Capt. E. Connolly. Ibid, 1839, vol. i. 710.

Selby, Lieut., I. N. Account of the ascent of the Karun and Digful rivers, and the Ab-i-gargar canal, to Shuster. Lond. Geo. Trans. 1844, vols. xiii.; xiv. 219.

Serampore Mission. Books printed at, up to 1815. As. Jl. 1818, 622.

Seringapatam. Unhealthiness of climate of. Dr. Austin on. Ibid, 1825, vol. xix. 25.

Serpents. Remedy against the bite of. Ibid, vol. xix. 685.

Sevaliick hills. Cautley's account of structure of. Lond. Geol. Trans. vol. v. 267.

Seyschelles, the Alimorantes, and the islands situated between the equator and 12° S. latitude, and between 45° and 75° E. longitude. Major W. Stirling. Bom. Geo. Trans. vol. ii. 22.

Shahabad. Geological notes on. (See Sherwill.)

Shakespeare, A. A. Statistics of the N. W. Provinces 1849. 1 vol. 8vo., published by Government. —Navigation of the Nerbudda. Bl. As. Trans. 1844, vol. xiii. 295.

——— Sir R. Journey from Khiva to St. Petersborgh, with 400 liberated captives. Blackwood's Magazine, 1842.

Sheep. New species of, in Himalayas. Lieut. Hodgson on. Bl. As. Trans. 1841, vol. x. 230.

Shells, Indian, list of. Ibid, 1832, vol. i. 76.

Sherwill, Lieut. Geological notes on zillah Shahabad. Bl. As. Trans. 1847, vol. xvi. part 1, 279. —On the bird-catching spider of Kurrakpoor. Ibid, 1850, 472; Ibid, 1852.—Notes on the Rajmahal hills. Ibid, 1851, 623.—On the mines of Behar. During the three

working months fourteen tons of mica are dug up, yielding 20,000,000 good transparent plates fit for painting, value about £400.—On the preparation of opium for the Chinese markot, Lond. 4to. 1852. Six and a half millions of pounds gathered yearly by tho hand, drop by drop ; yields three and a half millions revenue.

Shakespeare, Mr. J. On Badheks, T'hegs, murderers and robbers in the N. W. Provinces. As. Res. vol. xiii.

——— Sir Richmond. Journey from Khiva. (See Khiva.)

——— Mr. A. On the Nerbudda river. Bl. As. Trans. 1844, vol. xiii. 479.

Shermwadi, a small inlet, forming an excellent anchorage, on the eastern side of the Red Sea, lat. 26° 15′. Near by are multitudes of rock inscriptions, supposed of Himayaritic origin. Capt. Carless on. Lond. Geo. Trans. vol. vi. 64 ; Bom. As. Trans. vol. ii. 273.

Sherwood, Dr., Bengal Medical Service. On the murderers called P'hansigars, Thugs, &c. As. Res. vol. xiii.

Shikarpore. Memo. on the trade betwixt, and Candahar. Capt. Postans. Bl. As. Trans. vol. x. 1.

——— Commerce of. Capt. A. Burnes. Bom. Geo. Trans. vol. i. 315.

——— Memorandum on city of, in Upper Scinde. Capt. Postans. Ibid, vol. vii. 242.

——— Narrative of adventures on journey from Candahar to. Ibid, vol. v. 66.

Ships belonging to the East India Company in 1811. As. Jl. vol. ii. 159.

Ship-building at Bombay. Money on. Lond. 1810, 1 vol. 8vo.

——— Col. Fitzclarence's journey from India to England. Lond. 1840.

——— History of. Bombay Times, October 1840, and September 13, 1848.

——— at Maulmain. Maulmain Directory, 1844.

Ship-burning, &c. Bombay Monthly Times, June 30, 1842 ; October, 1844 ; December 13, 1851. (See Incendiarism.)

Shore, Sir John, afterwards Lord Teignmouth. Notes on Indian affairs. Lond. 2 vols.—Account of Nepaul. As. Res. vols. ii. 307, 383 ; iv. 181, 331 ; vi. 2.

Shortrede, Lieut. R., Bombay Army. On the errors to which the barometer is liable. Gleanings in Science, vol. iii. 51.—On the errors of thermometers. Ibid, 87.—On finding the meridian by polars. Ibid, 329.—Scheme of a table for all time. Bl. As. Trans. 1841, vol. x. 595.—On areas of plane and spherical triangles. Ibid, 1842, vol. xi. 770.—A perpetual moon table, with plates, and introduction to. Ibid, 1843, vol. xii. 231.—On disturbing causes in barometrical observation. Ibid, 293.—On barometric heights. Ibid.—Tables of proportional logarithms. Ibid, 1841, vol. x. 713.

Showers, Major St.G. D. Account of the great gun at Moorshedabad. Bl. As. Trans. 1847, vol. xvi. (See Gun.)

Showers of fish. Prinsep on. Ibid, 1833-34.

——— Grant on. Trans. of Civil Engrs. and Naut. Mag. 1838 ; Bombay Times, 1840, 652.

——— of blood, in Candeish, in 1828. Rep. Brit. Ass. 1839.

——— of grain. Ibid.

——— of pearls. Bombay Times, January 1847.

——— of sand, in China. Dr. MacGowan on. Chinese Rep. ; Bl. As. Trans. 1851, 172. (See Sand.)

Shudgar Shids, a tribe of jugglers in the Deccan. Stevenson on. Lond. As. Trans. 1834, vol. i. 283.

Siam. Account of the mines of. As. Jl. 1817, vols. iii. 331 ; xiii. 459.

Siamese. Newbold on code and historical MSS. of. Mad. Lit. Trans. vol. vi. 1, 7.

Sia-posh Caffres. Memorandum on. Bom. Geo. Trans. vol. v. 42.

——— On the, with specimens of their language, &c. Capt. Sir A. Burnes. Bl. As. Trans. vol. vii. 325.

——— Tribe of, reputed descendants of the Macedonians. Mohun Lal on. Ibid, 1834, vol. ii. 78.

——— Burnes on. Ibid, 183.

Siddons, Lieut. G. R. Translation of one of the granthas or sacred books of the Dadupanthi sect. Ibid, vol. vi. 480, 750.

——— Lieut. H. On the Chittagong tides. Ibid, 949.

Sikkim, a principality on the western frontier of India, on the Himalaya border. The Rajah joined the British in the Nepaul war of 1816, and reigns under our guarantee. (Gazetteer.) Dr. Campbell on literature and origin of certain hill tribes in. Bl. As. Trans. 1842, vol. xi. 4.

——— Account of, as a sanatory station. Capt. Herbert. Gleanings in Science, vol. ii. 156 ; Bl. As. Trans. 1837, vol. vi.

Sikkim Himalayas. Rhododendrons of. Dr. Hooker. Lond. 1849; London Athenæum, April 28, 1849.

Silk worms and silks of Assam. T. Hugon. Bl. As. Trans. 1837, vol. vi. 21.

——— On the indigenous, of India. T. W. Helfer, M.D. Ibid, 38.

——— trade between Shikarpore and Khorassan. Lieut. Postans. Ibid, 1840, vol. ix. 1843.

——— raw. East India Company's reports relative to, as to cotton, indigo, &c. Lond. 1830.

——— Improvement of the, manufactured in Mysore and the Salem districts. Bl. As. Trans. vol. xi. 218.

——— manufactures of the Punjaub. H. Cope. Punjaub Agricultural Trans. Jan. 1852. About £140,000 worth of manufactured goods turned out annually—raw silk worth £60,000 to £70,000 brought from Khorassan.

Simla. Capt. G. P. Thomas. Lond. 1840, 1 vol. 8vo.

——— Geology of the country between Bhar and. Bl. As. Trans. vol. viii.

Sinclair, P. G. Table of times of high water from Calcutta to Point Palmiras. Ibid, 1834, vol. iii. 408.

Sindhu, the river Indus. As. Res. vols. iii. 348, 368 ; viii. 318, 331, 335, 341.

——— a forbidden river to the Hindoos. Ibid, vol. vi. 533.

——— a tribe in the south-west of India. Ibid, vol. viii. 339.

——— the river Nalini, or Purra-Attock, Hoang-ho, or Caramoran. Ibid, 333.

——— the same with the river Sind. Ibid, vol. xiv. 408.

Singapore. Historical sketch of settlement of. As. Jl. 1823, vol. xiii. 24.

——— Logan's local and relative geology of. Bl. As. Trans. vol. xvi. ; Friend of India, 1843, 446 ; 1845, 407 ; 1850, 410.

Singhur, a magnificent hill fort in the Deccan, 15 miles from Poona, 4,352 feet high. Account of capture of. Blacker's History of the Mahratta War. Lond. 4to.

Slate quarries near Bombay. Report on. Capt. T. B. Jervis, Bombay Engineers. Bl. As. Trans. 1832, vol. i. 514.

Slavery in India. Abolition of. Blue Book, 1828—1841, and 1843. Friend of India, 1841, 104, 197, 657 ; 1843, 35 ; 1847, 405.

Sleeman, Col., Bengal Service; Resident at Lucknow; formerly Political Agent, Gwalior. Rambles and Recollections of an Indian Political. Lond. 1843, 2 vols. 8vo.—Cal. Rev. on. 1845, No. v.

——— Capt. H. W. History of the Gurha Mundala Rajahs. Bl. As. Trans. 1837, vol. vi. 621.

Smith, Lieut. W. Baird. Museum of economic geology for N. W. Provinces. Bl. As. Trans. 1841, vol. x. 779.—Memoir on Indian earthquakes. Ibid, 1841—1843 ; Edin. New Phil. Jl. 1842, vol. xxxiv. 107.—Account of the delta of the Ganges. Cal. Jl. Nat. Hist. vol. iii.—Irrigation of the N. W. Provinces. Pamphlet, 8vo. 1840.

——— Major G. C. History of the reigning family of Lahore. Calcutta, 1847.

Smythe, Lieut. Col. Introduction to Lieut. Reynolds' account of the Thugs. Lond. As. Trans. vol. iv. 200.

Snow-line of the Himalayas. Capt. Webbe on. As. Jl. 1819, vol. vii.

——————— Dr. Hooker on. London Athenæum, October 13, 1849, 1039.

——————— Lieut. Strachey on. Bl. As. Trans. 1849, vol. xviii. 287.

——————— Humboldt's errors regarding. Ibid, 290.

——————— Capt. T. Hutton on. Ibid, 1840, vol. xviii. 954.

——————— Limits of perpetual snow. A. Cunningham. Ibid, 694.

Snakes of India. Russell on. Hardwick on. Lond. folio.

——— bites. Cure for. Gleanings in Science, vol. iii. 372.

——— sea. On poison of. As. Res. vol. xiii. 329.

Soane. Ancient bed of river, and site of Palibothra. Memorandum on. E. C. Ravenshaw. Bl. As. Trans. 1845, vol. xiv. part 1, 137.

Socotra, a large island off the N. E. Coast of Africa. Memoir on. Lieut. J. R. Wellsted, I. N. Lond. Geo. Trans. vol. v. 129.

Soda soils of the Baramahal. Report on. Capt. Campbell. Bl. As. Trans. 1841, vol. x. 159.

——— soils suitable for cotton, &c. H. Piddington on. Ibid, 1836, vol. v. 314.

Solomon, tree of ; the double-fruited palm of the Seychelles. Chambers' Jl. June 1852. (See Cocos de Mer.)

Somalies, inhabiting the districts forming the N. E. point of Africa. Report on a tribe of. C. J. Cruttenden, I. N. Bom. Geo. Trans. vol. vii. 3.

Somalies. Memoir on the tribes inhabiting the Somali Coast of N. E. Africa. P. Rigby. Bom. Geo. Trans. vol. viii. 177.
——— Bruce on. (See Travels.)
——— Harris on. Highlands of Æthiopia.
——— Salt on. (See Travels.)
——— Christopher's account of. Bom. Geo. Trans. 1842, vol. vi. 401.
Somnauth, (Puttun Somnauth or Somnauth Puttun,) a town of great sanctity in the south of Goozerat; gates carried away by Mahmoud of Ghuznee, and brought from Affghanistan in 1842 by our troops. Temple of. As. Jl. 1843, vol. xl. 167.
——— Capt. Sir A. Burnes on. Lond. As. Trans. 1834, vol. i. 150.
——— Capt. Postans on. Ibid, 1848, vol. viii. 172.
——— Account of, translated from the Persian. Dr. Bird. Bom. As. Trans. vol. ii. 13.
Sonda valley. Newbold on. Mad. Lit. Trans. vol. viii. 128.
Soobathoo and Kotghur. Gerrard's statement of weather at, for three years. As. Res. vol. xii. 749.
——— Climate of. Ibid, vol. xv. 469.
South-west Monsoon on Malabar Coast. Barometric and tidal phenomena attending. Bombay Overland Times, December 1, 1841; Phil. Trans. 1851. (See Sykes.)
Spede, G. Criminal statistics of Bengal. Calcutta, 1847.
Spencer, Right Revd. G. Journal of a visitation in the provinces of Travancore and Tinnevelly. Cal. Rev. 1845, 46.
Spikenard of the ancients. Essay on. Dr. Roxburgh. As. Res. vol. iv. 433.
Spilsbury, Dr., Bengal Medical Service. Account of fossil bones on the Nerbudda. Bl. As. Trans. vol. vi. 351, 487.—Near Jubbulpore. Ibid, 1839, vol. viii. 950.—On fossil bones of the Nerbudda. Ibid, 1833, vol. ii. 151, 205, 586.—Geological notes on the valley of the Nerbudda. Ibid, 1834, vol. iii. 388.—On new fossil sites in the Nerbudda valley. Ibid, vol. vi. 487.—On fifteen varieties of shells in the Saugor and Nerbudda Territories. Ibid, 1839, vol. viii. 708.
Spiti valley. Dr. Gerrard's observations on. As. Res. vol. xviii. part 2, 238, 247.
Sponges, fresh-water, in Bombay. (See Carter.)
Springs, hot, in India. Newbold's account of. Phil. Trans. 1845; Edin. New Phil. Jl. 1846.
——— Dr. Buist's catalogue of. Map appended to paper on Indian volcanoes. Bom. Geo. Trans. vol. x. 1852.
Spry, Dr. H. H., Bengal Medical Service; Secretary Agricultural Society. Modern India. Lond. 1837, 2 vols.—On sulphate of soda, glauber salts, in soils near Sultanpore. Bl. As. Trans. 1832, vol. i. 503.—On mud volcanoes of Arracan. Ibid.—On Indian saline deposits. Ibid.
Stacy, Col. L. R., Brigadier Commanding at Nusseerabad; a distinguished antiquary and numismatologist. *Ob.* July 1848. On a relic of Grecian sculpture in Upper India. Bl. As. Trans. 1836, vol. v. 567; Ibid, 1837, vol. vi. 238.
Statistics and population of Orissa Proper. As. Res. vol. xv. 207.
——— Population of the district of Burdwan. Ibid, vol. xii. 546.
——— of Arracan. C. Paton. Ibid, vol. xvi. 352.
——— Population of the city of Benares. Ibid, vol. xvii. 420.
——— Population, &c. of the city of Dacca. Ibid, 535.
Steam navigation in India, with a view to its introduction on the Ganges. G. A. Prinsep on. Gleanings in Science, vol. i.
——————— Account of. Ibid, vol. iii. 1831.
——————— betwixt England and India. Bombay Overland Times, October 1850; Blue Book, 1850.
——— flotilla, Bombay. Bombay Overland Times, January 1, and February 1, 1841.
——— engines in Bengal. History and statistics of. Friend of India, September 21, 1840.
Steel, Indian, or wootz. Stoddart. As. Jl. 1818, vol. v. 570.
——— Method of making, in Mysore. Ibid, 1820, vol. ix. 441.
——— On the manufacture of, in Southern India. Capt. J. Campbell. Bl. As. Trans. vol. xi. 217.
——————— Dr. Vosey on. Ibid, 1832, vol. i. 245; Cal. Jl. Nat. Hist. vol. iii. 25.
——————— Dr. Buchanan on, in Mysore. Travels, vols. i. 151, 174; ii. 19.
Stewart, Capt. John. Account of native subcarbonate of soda in Malwa. Lond. As. Trans. 1822.—Geological notice of Malwa. Ibid.—History of Bengal. Lond. 1813.—History of the empire of the Great Mogul, translated from the French of Bernier. Lond. 1762, and Calcutta, 1824.
——— Account of a volcanic eruption in 1815, in the island of Sumatra. Bom. Lit. Trans.

Stevenson, Dr. J., Bengal Medical Service. Note on salajit, or native alum. Bl. As. Trans. 1833, vol. ii. 005.—On the manufacture of saltpetre. Ibid, 23.—Soil and salt from Samur or Sambhar analyzed. Ibid, 1830, vol. v. 708.

——— J. A. R., Madras C. S. Account of the Phansigars, or gang robbers, and Shudgur Shids, or tribe of jugglers. Lond. As. Trans. 1834, 150, 151, 280—283; Mad. Lit. Trans. 1835, vol. ii. 255.—On the language, manners and customs of the Khonds. Ibid, 1837, vol. vi. 17.

——— Revd. J., D.D., St. Andrew's Church, Bombay. On the Anti-Brahminical worship of the Hindoos. Lond. As. Trans. vols. vi. 239; viii. 330.—On the Mahratta language. Ibid, vol. vii. 84.—On the modern deities worshipped in the Deccan. Ibid, 105.—On the Bauddho-Vaishnavas of the Deccan. Ibid, 64.—On the intermixture of Buddhism with Brahminism in the religion of the Hindoos of the Deccan. Ibid, 1.—Analysis of the Ganesa Purana. Ibid, vol. viii. 310.—Remarks on the relation between the Jain and the Brahminical systems of geography. Bom. As. Trans. 1847, vol. ii. 411.—On specimens of Saurashtra coins lately found near Juneer. Ibid, 377.—On the Brahminical manner of constructing their images. Ibid, 390.—Translation of Bauddha inscriptions near Nussick. Ibid, 452.—Observations on the grammatical structure of the vernacular languages of India. Ibid, 1840, vol. i. 171; 1850, vol. iv. 1; vol. vi. 196.

Stirling, Major W. Account of the Seyschelles. Bom. Geo. Trans. vol. ii. 22.

Stirling, A. Account, geographical, statistical, and historical, of Orissa Proper, and Cuttack. As. Res. 1825, vol. xv. 163.

——— History of the Rajahs of Orissa. Bl. As. Trans. 1837, vol. vi. 756.

Stocks, Dr., Bombay Medical Service; Superintendent of Forests. On babool trees in Scinde. Bom. As. Trans. vol. ii. 300.

Stocqueler, J. H., Editor Bombay Courier, afterwards of the Bengal Hurkaru, and ultimately of the Calcutta Englishman till 1844. Fifteen months' pilgrimage through untrodden tracts in Kurdistan and Persia, 1831-32. Lond. 1832, 2 vols. 8vo.

Storms, dust, of India. Dr. Baddeley's theory of. Bl. As. Trans. 1850-51.

——— and hurricanes. Cal. Rev. 1847, No. xv.

——— Piddington's horn-book of. Ibid, 1847.

——— Memoirs on. Bl. As. Trans. 1840—1852.

Strachey, Lieut. Richard, Bengal Engineers; received gold medal of Lond. Geo. Soc. (See Transactions.) On the physical geography of the provinces of Gurhwal and Kemaoon, in the Himalaya mountains. Lond. Geo. Trans. 1851, vol. xxi. 57.—Glaciers of the Pindur and Kuphinee rivers, in the Kumaon Himalayas. Edin. New Phil. Jl. 1847-48, vol. xliv. 108.—Trip to the Niti pass, 1849. Bl. As. Trans. 1850.—On the snow-line of the Himalayas. Ibid, 1849, vol. xviii. 287.—Notes on investigations near Kumaon. Ibid, 240.—Geography of Kumaon. Ibid, 1851.—Horary barometrical observations at 11,000 feet above the level of the sea. Sykes on. Phil. Trans. 1850, 209.—On the tertiary formations of the Himalayas. Rep. Brit. Ass. 1851.—Dissertation on discoveries of both brothers. Sir R. I. Murchison's address to Lond. Geo. Soc. 1852. (Designations transposed by him.)

——— Lieut. H., 66th Bl. N. I. Journey through Thibet, in 1840, to Rakas Tal and Cho-Mapan, *i. e.* Lake Manasarovara. Bl. As. Trans. 1848, vol. xvii. 90. Separate form 8vo. Calcutta, 1848.—Frontier of Kemaoon and Gurhwal. Ibid, 532.—Manasarovara discharges its waters through a gravel bank into Rakas Tal, which, again, sends off a tributary to the Sutlej.

Strychnia. J. T. Pearson on method of preparing. Bl. As. Trans. 1833, vol. ii. 42.

Sub-Himalayas. The scistrachane birds of. Ibid, vol. xiii. 933.

Sugar. Statistics of Indian. Friend of India, 1841, 401, 417, 433; 1848, 818; 1840, 276, 420.

——— mill at Belgaum. Account and drawing of. Marshall's statistical papers of Malabar.

——— Dr. F. Buchanan's account of. Vols. i. 150, 341; ii. 100; iii. 451; Loudon's Encyclopædia of Agriculture. Lond. 8vo.

Sulphur in India. Heyne's Tracts.

——— mines of Kumeer, Persian Gulf. Lieut. Jenkins. Bom. Geo. Trans. 1830, vol. i. 284.—The whole hill seems to be composed of sulphur: it is sublimed in kilns, and used to belong to the Imaum of Muscat.

——— of Ormuz. Lieut. Fullerton on. Bom. As. Trans. September 1851.

——— near Ghizree creek, Scinde. Capt. Preedy on. Bl. As. Trans. 1843, 843.

——— collected from Lukkee hotsprings. Vicary's geology of Scinde. Lond. Geol. Trans. vol. iii.

Sumatra. Tour in. F. Garland. As. Jl. 1820, vol. ix. 547.

——— Ports of. (See Acheen.)

Sumbulpore. Gold-dust abounding in. Lond. As. Trans. 1819, vol. viii. 81.
Summers, A. Account of the agate and cornelian trade of Cambay. Bom. As. Trans. 1851, vol. vi. 318.
Sunderbunds, marshes and marsh islands of the Hooghly. Martin's account of topograpby of. Calcutta, 1837.
——— Prinsep, G., on. 1 vol. 8vo. 1831.
——— Smith's (Capt. B.) delta of the Ganges. Cal. Jl. Nat. Hist. vol. iii.
Surat. Hospital for animals at. Lieut. Burnes. Lond. As. Trans. vol. i. 96.
——— Fulljames' report of inundation of the Taptee. Bom. Geo. Trans. vol. vii. 352.
——— past and present. Calcutta Review, 1848, vol. ix. ; Briggs' Cities of Gojarashtra.
Surveys. Jervis' memoirs on the origin, progress, and present state of Indian. Bom. Geo. Trans. vol. iv. 133 ; Rep. Brit. Ass. 1838, vol. xv. 330 ; Lond. Geo. Trans. 1837, vol. vii.
——— marine, under the Bombay and Bengal Governments. Blue Book, 1851.
——— in India. Narrative account of, to 1832. Bl. As. Trans. 1833, 331.
——— Col. Waugh's account of. Blue Book, 1851 ; Cal. Rev. vols. iii. ; xv. ; 1851, xvi. 514.
Sutlej, a river to the west of Delhi. As. Res. vol. viii. 357.
——— Of the distance between, and Jumna. Ibid, vol. ix. 55.
——— Satlaj, or Sitloda, a river in the Ponjaub. Ibid, vol. viii. 325 ; the Satodara, 327 ; or Satudra, 335.
——— Herbert's course and levels of the. Ibid, vol. xv. 339.
——— and the Jumna. Countries between the. Cal. Rev. 1846, No. x.
Swallow, edible nest-building, of Burmah. Capt. Jones' account of. Lond. As. Trans. vol. iii. 35.
Swiney, Dr. On Behat coins. Bl. As. Trans. 1834, vol. iii. 435.—On Celtic legends of. Ibid, 1837, vol. vi. 98.
Sword-blades, Damascos. On the patterns on, or watering of. H. Wilkinson. Lond. As. Trans. vol. iv. 187.
Sydenham, Capt., Madras Service. Account of the city of Beejapore, 1811. As. Res. vol. xiii.
Sykes, Lieut. Col. William, Bombay Army ; Statistical Reporter for the Deccan from 1821 to 1834 ; From 1840 one of the Directors of the East Company ; a distingoished zoologist, meteorologist, geologist, antiquary and statist. He has written so much on each of so many subjects, that his papers are classed below :—

Meteorology.—Mean temperature of India at various elevations. Rep. Brit. Ass. 1834, vol. iii. 567.—On the measurement of heights by the thermometer. Ibid, 1835, vol. iii. 25 ; Lond. Geo. Trans. ; Bom. Geo. Trans. 1839 ; Jackson's What to Observe ; &c.—On the remarkable difference betwixt the fall of rain at Mahableshwar, and that at Bombay and at Poona. Ibid, 1839, vol. vi. 16.—On the meteorology of the province of Coorg, in the Western Ghauts. Ibid, 1842, vol. xi. 22.—On the fall of rain on the Coast of Travancore and table-land of Uttree. Ibid, 1846.—On the fall of rain on the table-land of Uttree Mullee, Travancore, 1846 ; Ibid, 1848, 30.—On a remarkable storm at Bombay, 6th April 1847. Ibid.—On Indiau hail-storms. Ibid, 1850, 43.—On the atmospheric tides in the Deccan. Phil. Trans. 1840.—On the meteorological observations in India. Phil. Trans. 1850.

Zoology.—Geographical range of certain birds common to various parts of the world, chiefly to India. Rep. Brit. Ass. 1835, vol. iii. 69.—Fishes of the Deccan. Trans. Lond. Zoological Soc. 1838.—Catalogue of the mammalia of the Deccan. Zool. Trans. 1831 ; republished Bl. As. Trans. 1832, vol. i.—Birds of the Deccan. Zool. Trans. 1832 ; republished Bl. As. Trans. 1834, vol. iii.—Qoails and hemipoda of India. Lond. 1 vol. 4to.

Statistics.—Wages of labourers in the Deccan. Rep. Brit. Ass. 1835, vol. iii. 118.—Special report on the statistics of the Deccan : extent, and physical circumstances ; geology ; ghauts ; torrents ; escarpments ; climate ; botany ; zoology ; antiquities ; popolatiou ; education ; irrigation ; mountains, &c. (See Deccan.) Rep. Brit. Ass. 1837, vol. vi.—On the mortality of Calcutta. Ibid, 1844, vol. xiii. 88.—On the statistics of hospitals for the insane in Bengal. Ibid, 89.—Statistics of civil jostice in India for four years, from 1841 to 1844. Ibid, 1846, 94.—Of charitable dispensaries in. Ibid, 96.—Statistics of the Agra Government, or N. W. Provinces. Ibid, 1847.—Statistics of civil justice in Bengal, to which Government is a party. Ibid, 1848, 116.—Contributions to the statistics of sugar produced in India. Ibid, 1849, 108.—Statistics of civil and criminal justice under the Bengal Government for the years 1844, 1847, 1849. Rep. Brit. Ass. 1836, vol. v.—Statistics of the educational institutions of India. 1848, 8vo. On the fruits of the Deccan ; twenty-one kinds of ordinary wild fruits ; importance of communication for the introduction of plants of India. (Rudiments of Indian exhibition

of 1853; Bombay economic museum. Sir A. Johnstone on. Lond. As. Trans.; Dr. Buist on. Bom. Geo. Trans. 1848.)—On the Dutch possessions of the East Indies. Rep. Brit. Ass. 1848, 112.—Prices of cerealia and other edibles in England and India compared. Rep. Brit. Ass. 1847. Mortality in the jails of the 24-pergunnas, Calcutta. Rep. Stat. Survey of India, 1848.—Catalogue of Chinese Buddhist works. Lond. As. Trans.—On the land tenures of the Deccan. Ibid, 1834, vol. ii. 205—233; 1836, vol. iii. 350—376.—On the state of India before the Mahomedan invasion, founded on the travels of Fa Hian. Ibid, 1836, vol. vi. 248.—On the proprietary right of the soil vested in the subject, not the sovereign, in India. Ibid, 1836, vol. vi. 246. Same subject as land tenures of the Deccan.—Mortality and chief diseases of troops under the Madras Government in 1851 compared with that in 1842, 1846, and 1849. Jl. of Lond. Stat. Soc. 1851.—On expenditure of the Government of India on public works. Ibid, 1850.

Geology of a portion of the Deccan. Lond. Geol. Trans. vol. iv. second series 4to.—On a fossil fish from the table-land of the Deccan. Lond. Geol. Trans. 1851, vol. vii.

T

Tabashir, a siliceous secretion in the joints of the female bamboo. Sir D. Brewster on. Phil. Trans.

——— Sometimes found liquid, sometimes gelatinous. Gleanings in Science, 1833, vol. iii.

——— Silica 70, potash 30; Natives consider it a tonic or astringent. O'Shaughnessy. Bengal Dispensatory, 694.

Tabriz. Establishment of a printing press at, by Abbas Mirza, Prince Royal of Persia. Lond. As. Trans. 1834, vol. i. 323.

Tadjorra. A petty seaport at the entrance to the Red Sea, on the N. W. Coast of Africa. Gulf of, a singular recess, probably of volcanic origin. Hot springs close by. Capt. Barker's account of. Lond. Geol. Trans. 1848.

——— Narrative of a journey to Ferri from Zeila and, in 1839. Bom. Geo. Trans. vol. ii. 31.

——— Journey to Ankobar from. Dr. Kirk. Ibid, vol. vi. 317; Major Harris' Account of Highlands of Æthiopia, vol. i.

Taj Mahal. A magnificent white marble edifice, erected by the Emperor Shah Jehan in honour of Noor Jehan Begum, at Agra. Measurement of. Lond. As. Trans. vol. viii. 54.

Tajk. Narrative of a journey to Peshawur from, through the unfrequented countries of Marrvat, Bunnee, and the valleys of Hanjee and Kohat. Bom. Geo. Trans. vol. v. 2.

Tal-Choo-Mapan, *i. e.* Manasarovara Lake. Lieut. H. Strachey's visit to, and Rakas Tal. Bl. As. Trans. 1848, vol. xxi. 128.

Talc (Mica). Dr. McClelland's account of. Mines of, in Bengal. Report of the geological survey of, 1849. Calcutta 4to.; Bombay Times, March 1851. The mica found in a mountain of gneiss: upwards of a hundred thousand maunds of 82 lbs., or nearly 4,000 tons, sent to Calcutta annually; at 7½ Rupees a maund, value 7½ lakhs of rupees, £75,000. One seer = 2 lbs. will occasionally yield a dozen of panes from ten to twelve inches square. Melbourne's Oriental Commerce, quoted in McCulloch's Dictionary.

——— Capt. Sherwill on mines at Behar. Bl. As. Trans. 1851, 295. The larger plates employed in miniature painting in body colours; the lesser in ornaments in dress, toys, &c.

Talcheer. Capt. Kittoe's Report on the coal and iron mines of. Bl. As. Trans. vol. viii. 137.

Tamar, or Mergui, or Tenasserim Proper. Early history of. Capt. Lowe. Lond. As. Trans. vol. ii. 249, 253, 256.

Tammana Nuwera, a celebrated city in Ceylon. On the site and ruins of. S. C. Chitty. Lond. As. Trans. vol. vi. 242.

Tandy, Dr. Description of the Burmese Empire. Rome, 1833.

Tanjore. Irrigation of the delta of. Mad. Lit. Trans. 1836, vol. iv. part 2, 309.

——— Late king of. Lond. As. Trans. vol. iii. 232.

Tanning. Method of, practised in India. Heyne's Tracts; Buchanan's Travels.

Taptee. A large river in Western India, falling into the sea near Surat. As. Res. vol. viii. 335.

——— named from Tapatee, a daughter of the Sun. Ibid, vol. xvii. 617.

——— Floods of. (See Floods, and Inundations.)

Taylor, T., H. C. S., Astronomer, Madras; a man of great learning, talent, and industry. *Ob.* 1849. On the magnetic dip of Southern India. Bom. Geo. Trans. vols. i. 280; iii.; Mad. Lit. Trans. 1831, vol. vi.—Meteorological observations at Madras from 1834 to 1840. Ibid.—Meteorological

observations at Dodabetta, on the Neilgherry hills, in 1847, 1848. Madras, 1848.—On the dip and intensity at Madras. Mad. Lit. Trans. 1837, vol. vi. 220.

Taylor, Captain Meadowes, Nizam's Service. Memoirs of a Thug. 3 vols. 1840.—On Celtic remains near Ferozabad, Deccan. Bom. As. Trans. 1851-52.

——— Dr. James. Topography of Dacca. Calcutta, 1840.

——— Revd. W. Account of the seven pagodas. Mad. Lit. Trans. 1844, 1—50.—Supposed early Celtic and Scythian vestiges in various parts of the Carnatic. Ibid, 1847, 78.

Tea cultivation. Progress of, in Assam. Friend of India, 1838, 278; Ibid, 1840, 72, 88, 103, 126.

——— in the Dhoon. Ibid, 1847, 67.

Teak. (See Woods, and Forests.)

Teer Djebil, volcanic Island, Red Sea. Account of. Dr. Kirk. Bom. Geo. Trans. vol. vi. 366. (See Volcanoes.)

Terhai dialects. Vocabulary of. Lieut. Leech. Bl. As. Trans. vol. vii. 608, 711, 780.

Teheran, Capital of Persia. Works printed at. Lond. As. Trans. vol. ii. App. xiii.

Tenasserim, British Burmah. History of. Capt. J. Low. Ibid, vols. ii. 248; iii. 25.

——— Provinces. Statistics of. As. Jl. 840, vol. xxxi.

——— Tin localities in. (See Tremenheere.)

——— Report on the coal discovered in. Dr. Helfer. Bl. As. Trans. vol. viii. 701.

——— Statistics and government of. Cal. Rev. 1847, No. xv.

——— Notes on the fauna and flora, minerals, &c. of British Burmah and Pegu. Revd. J. Masson. Lond. 1852.

Thackery, Mr. Assassination of, at Kittoor. As. Jl. vol. xix. 474.

Thatta, on the Indus. Scindian city of. Lond. As. Trans. vol. i. 206, 210, 233, 242.

Thibet, Little. Turner's embassy to. Lond. 1802.

——— Moorcroft's journey to. As. Res. vol. xii. 375.

——— or Southern Tartary, a region extending from the eastern borders of Cashmeer, long. 74° E., to the frontiers of China, long. 100°; stretching southwards along the line of the Himalayas, from lat. 37° to 28° N. It is about 1300 miles in length. Its principal divisions are Lassa, Teshoo, Lomboo, the Undes, Ladak, and Hontoar. (Gazetteer.) To the north of the snowy Himalayas, Thibet is not a plain or plateau, as generally supposed, but for seventy miles a succession of mountain ridges from nineteen to twenty thousand feet high, wholly covered with snow, with flat narrow valleys between. Lieut. H. Strachey. Bl. As. Trans. 1848; Sir R. I. Murchison's address on presenting the gold medal of the Royal Geo. Soc.—The Himalayan ridge on our maps is an imaginary line, far from being the real axis, and in fact a long way removed from it. Ibid.

——— Relics of Catholic missions in. H. B. Hodgson. Bl. As. Trans. 1848, vol. xviii. 222.

Thibetan type of mankind. H. B. Hodgson. Ibid, 225.

——— literature. H. H. Wilson. Gleanings in Science, 1831, vol. iii. 426.

——— frontier. Reports of commissioners on adjustment of. 1847. Bl. As. Trans. 1848, vol. xii. 90.

Thomas, the Apostle. Introduction of Christianity into India by. Martyrdom of. Lond. As. Trans. vol. i. 173, 174.

Thompson, J. T. Dictionary in Hindee and English. Calcutta, 1846.

——— W. P. Review of the Makawat-ne-Hariri. Lond. As. Trans. vol. v. 201.

Thomson, Dr. Geology of the Bombay Islands. Mad. Lit. Trans. 1837, vol. v. 159.

Thom, Dr. A., H. M.'s 86th Regt. Remarks on the hurricane of April 1847. Bom. Geo. Trans. vol. viii. 1.

Thornton. Gazetteer of the countries adjacent to India in the N. W. 2 vols. 8vo. Lond. 1844.

Thugs, a singular variety of murderers and robbers; sprung up under the first Mahomedan dynasties: 500 executed in Etawa in the reign of Akbar. Saunders' Magazine, September 1852.

——— Notes on the. Lieut. Reynolds. Lond. As. Trans. vol. iv. 200, 213.

——— Method of killing their victims. Ibid.

——— the murderers in India. J. J. Shakespeare on. As. Res. vol. xiii. 283.

——— Captain Meadowes Taylor's memoirs of. Lond. 3 vols. 1841.

——— Sleeman's rambles and recollections of an Indian political. Lond. 2 vols. 1844.

Tickel, Lieut., 31st N. I. Birds of Borabhun and Dhalbun. Bl. As. Trans. 1833, vol. ii. 569.

Tides. Bom. Geo. Trans. vol. vi. 235.

——— tables. Observations on, at Bombay. Observatory Reports, 1846, 1847, 1848.

——— at Aden. Mr. Mayes' report on. Bombay. 1 vol. 8vo. 1852.

——— in the Red Sea. Captain Ellwan's account of. Bom. Geo. Trans. 1852.

Tides. Irregularities of, at Chittagong, in 1836. Bl. As. Trans. 1837, vol. vi. 949.
——— atmospheric, of the Deccan. Sykes on. Phil. Trans. (See Sykes.)
——— Account of, at Bombay, Madras, Trevandrom, Aden, Calcutta, Kurrachee, &c. Ibid, 1850.
——— Benares. Prinsep on. Gleanings in Science, 1829, vol. i. 150.
——— In fresh-water wells in the Chagos Archipelago, corresponding with those of the sea, though of less range—sea tide 6 feet, well tide 6 inches. Moresby on. Bom. Geo. Trans. Report, vol. i. 309. The phenomenon usual on the coast of India.
Tigris. A river near Bagdad, lat. 33°, 500 feet above the level of the sea, 800 feet across, and from 6 to 25 in depth, in flood from the rains in December, after which it falls until February, when it has a second rise, of much greater magnitude than the first, in March and April, and it descends again till October. Hyslop's medical topography of Bagdad. Bom. Med. and Phys. Trans. 1851, vol. x. 40.
——— Selby's account of. Lond. Geo. Trans. 1844, vol. xiv. 222.
——— Jones on. Bom. Geo. Trans. vols. ix.; x.
——— Practicability of advancing an army from Europe into Asia by the provinces of the, and the Euphrates. Dr. Winchester. Bom. Geo. Trans. vol. vi. 187.
——— Capt. Low on. Gleanings in Science, 1820, vol. i. 223.
Timber trees of Bengal. Capt. Monro on. Bl. As. Trans. 1848, vol. xvii. 1006. (See Woods.)
Tin islands. Situation of. As. Res. vol. xi. 53.
——— grounds of Mergui. Captain Tremenheere's report on. Bl. As. Trans. vol. xi. 24, 280.
——— in the Malay peninsula. As. Jl. 1820, vol. ix. 33; As. Res. vol. xviii. 137.
——— mines at Doomerie, Lower Bengal, 1,500 feet above the level of the sea. Report on the Geological Survey for 1849.
Tincal, (Borax,) the natural product of Lake Hundes, Nepaul; forms a valuable article of export from Kemaoon. As. Res. vol. xii.
——— Official Reports on, 1851. 1 vol. 8vo.
Tobacco. Cultivated in Tenasserim. Lond. As. Trans. vol. iii. 32.
Tod, Colonel. Travels in Western India. Lond. 1839.—Annals and Antiquities of Rajasthan. Lond. 1829.
Todd, Major D'Arcy, Bengal Artillery; Political Agent at Herat from 1839 to 1841. Report of a journey from Herat to Simla in 1838. As. Trans. vol. xiii. 339.
Toddy, the sap of the palm tree, obtained by bleeding; arrack distilled from. Process of making crystallized sugar from. Bl. As. Trans. vol. iii. 248.
Toda or Todwar, an aboriginal race in the Neilgherries. Physical aspect of. Ainslie's atmospheric influences. Lond. As. Trans. vol. ii. 36. (See works on Neilgherries.)
——— Collection of words from language of. Dr. Stevenson. Bom. As. Trans. vol. i. 195.
——— Dr. John Wilson on, in the Northern Concan. Lond. As. Trans. 1841, vol. vi. 14.
Tone, W. H. Illustrations of the Mahratta people. Calcutta, 1818.
Toorks, *i. e.* Moguls. History of. Baron Hammer von Purgstall, 1 vol. 4to, Index to. Bl. As. Trans. vol. xiii. 550.
Too-fut-ul-Kiram, a history of Scinde, translated by Capt. Postans. Ibid, 1848, vol. xvii.
Topes, simple architectural structures of very great age, always containing relics; abound throughout Affghanistan. At the caves of Kanari, Salsette. Dr. J. Bird. Bl. As. Trans. vol. i. 94.
——— at Darounta, and caves of Bablabad. Lieut. Pigou. Ibid, vol. x. 381.
——— at Manikyala, near Peshawur. Wilson's Ariana Antiqua; Prinsep's Bactrian coins. Lond. 8vo.; Elphinstone's Court of Cabool.
Topography. Capt. Thompson's discussion of. Bl. As. Trans. 1851.
——— Some particulars of Limong in Sumatra. As. Res. vol. i. 336.
——— of the city of Tagara. Ibid, 360.
——— of the city of Delhi, in 1791. Ibid, vol. iv. 410.
——— Description of the city of Pegue, &c. Ibid, vol. v. 111.
——— of Balipura or Palibothra. Ibid, 279.
——— Notices of the country between Agra and Oujein. Ibid, vol. vi. 11, 35, 74.
——— medical, of Ahmednuggur. Bom. Med. and Phys. Trans. vol. ii. 160.
——————— Bagdad. Ibid, vol. x. 40.
——————— Guzerat. Ibid, vol. i. 2.
——————— Hong Kong. Ibid, vol. ix. 3.
——————— Marwar. Ibid, vol. ii. 1.

Topography, medical, of Mesopotamia. Bom. Med. and Phys. Trans. vol. iv. 27.
———— Sukkur and Bukkur. Ibid, vol. iii. 1.
———— Tatta. Ibid, vol. iii. 29.
———— The kingdom of Shoa. Ibid, vol. vi. 3.
———— the Upper Euphrates. Ibid, vol. v. 1.

Torrens, Henry, Secretary to Government from 1838 to 1845; Secretary to the Bengal Asiatic Society; Resident at Moorshedabad. *Ob.* August 1852. A man of great learning, and almost universal accomplishments. Translation of Arabian Nights. Calcutta, 1839.—Abstract of traffic across our N. W. frontier. Bl. As. Trans. 1841, vol. x. 677; reprinted Edin. Phil. Jl. 1841.—(Strictures on. Bombay Times, July and August 1841.)—Of Native impressions on the natural history of animals. Bl. As. Trans. 1849, vol. xviii. 788.—Memoir of. Corbyn's India Review, 1842, vol. xii. 556; Bombay Times, June 6, 1851, and August 30, 1852.

Traill. Meteorological diary at Calcutta. As. Res. 1807, vol. ii. 421.—Statistics of Kemaoon. Ibid, 1828, vol. xvi. 137.—Report on the Bhotia metals of. Ibid, 1832, vol. xviii. 1.

Trapand, Capt. Account of Prince of Wales' Island. Lond. 1788.

Travancore teak. Forests of. Edye. Lond. As. Trans. vol. ii. 332.

Tremenheere, Capt. On manganese of Mergui province. Bl. As. Trans. vol. x. 582.—Tin of Mergui. Ibid, 1841, vol. x. 485; 1842, vol. xi. 839.—Tin localities of Tenasserim province. Ibid, 1843, vol. xii. 523.

Tremenheerite, a new mineral. Piddington's notes on. Bl. As. Trans. vol. xvi. 369.

Trevellyan, Mr., Bengal Civil Service. On the condition of the people of India. 1 vol. 8vo. Calcutta, 1839;—Friend of India on. April 11, 1839; As. Jl. 1839, part 2, 748.—Education in Bengal. Lond.

Trevandrum. Observatory at, erected by the Rajah of Travancore. Description of, by Mr. Caldecott. Mad. Lit. Trans. vol. vi. 56. (See Observatory, and Caldecott.)
———— Magnetic disturbance at. (See Magnetic Disturbances.)

Trigonometrical survey of India. Edin. Review on. 1813, vol. xxi.; 1848, vol. lxxxvii.
———— Calcutta Review on. 1845, vol. iv. 62. Commenced in 1799, still unfinished.
———— Col. Waugh's reports on. Blue Book, 1851;—Calcutta Review on. December 1851, 514. Report on occupies 61 folio vols. (See Survey.)

Trevicary, Coromandel Coast. Capt. Warren's account of petrifactions at. As. Res. 1808, vol. xi. 10.
———— Capt. Newbold on. Lond. As. Trans. 1845, vol. viii.

Trichinopoly. Crustacean fossils near. Forbes on. Lond. Geol. Trans. 1845, vol. i. 80.

Turaee, a great belt of gravel and sand, filling a trough from five to fifteen miles in length, parallel to the base of the Himalayas, to the depth of from 15 to 150 feet. It is so sickly as to be nearly without resident population; the houses of the cultivators are on the slopes of the hills. It is full of marshes. The belt of saul forest, which is waterless, is next to it towards the mountains, and is almost equally malarious: rivers disappear and pass under it, re-appearing in the Turaee: it is surrounded by sandstone hills, which skirt the base of the mountains. Outer mountains of Kemaoon. Capt. Herbert on. Bl. As. Trans. vols. xi.; xii.
———— Major Madden on. Ibid, 1848, vol. xvii. 450.
———— Hodgson's physical geography of the Himalayas. Ibid, 1849, vol. xviii. 61.
———— Batten's notes on papers published by Government N. W. P. 1851. Agra, 1 vol. 8vo. —Calcutta Review on. 1846, vol. v. 143.

Turner's embassy to Thibet. Lond. 1800.

Turnour, G. History of Ceylon. Ceylon, 1836.—Translation of the Mahavanso. Colombo, 1837.

Turpentine and tar. Native method of manufacturing. Bl. As. Trans. vol. i. 250.

Turquoise mines in Persia. Frazer's travels in Khorassan. Gleanings in Science, 1830, vol. ii. 375.

Tutenag, or the white copper of China. As. Jl. 1823, vol. xv. 7.

Tutocorin. Account of harbour of, by R. White, with sailing directions for making, by Lieut. Jenkins. Mad. Lit. Trans. vol. iv. 305.

Tytler, John. Analysis and specimens of a Persian work on mathematics and astronomy. Lond. As. Trans. vol. iv. 254.

U

Ullahund, or Allabund, the embankment of God, a vast mound in Scinde, thrown up by the earthquake of 1819; 70 miles in length, 16 in breadth, and 20 feet high. McMurdo on. Edin. Phil. Jl. vol. iv. 106.

——— Sir A. Burnes' account of. Bokhara Travels, 2nd edn. vol. i. 313, Lond. 1834; Lyell's Principles of Geology, 1st edn. vol. ii. 266; edn. 1851, 442.

——— Account of. Capt. Baker, Bengal Engineers. Bom. Geo. Trans. 1846, vol. vii. 187.

Upas tree of Java. (See Oopas.)

——— Guero Upas, or Valley of Death, Java. Malaria occasioned by evolution of fixed air, from volcanic springs and spiracles around. The valley is half a mile in circumference, and 35 feet in depth, situated on the top of a mountain. Mrs. Somerville's Physical Geography, vol. i. 264.

——— Alexander Loudon on. Lond. Geol. Trans.; Edin. Phil. Jl. 1831.

——— Description of, in a letter to Professor Jamieson. Republished As. Jl. 1832, vol. vii. 158.

——— Sykes' remarks on the popular belief in the Upas tree of Java. Lond. As. Trans. vol. iv. 194.

——— or Upoh, poison of the Malays. Capt. Newbold on. Phil. Trans. 1837, 426.

V

Valentia, Lord. Travels in India, &c. Lond. 1809, 3 vols.

Vedantism. Calcutta Review on. No. iii. 53.

——— Colebrook, H. T., on philosophy of the Hindoos. Lond. 1837.

Vaupell, J. Observations on various places in Guzerat. Bom. Geo. Trans. vols. ii. 46; iii. 97, 138; vii. 130.

Vedas, Hindoo Scriptures. Grammar of, translated from the German of Roth by Ludwig Erres. Bl. As. Trans. vols. xvi. and xviii.

——— On the literature and history of. Dr. Roth. Translated by Mr. Muir, Bengal Civil Service. Ibid, 812.

Veda (Rig.), traduit par M. Langlois. Pairs, 1848—1851. (See Wilson, H. H.)

Venus, the planet, visible to the naked eye at noon at Calcutta 22nd April 1822. Crowds of people assembled in the streets to look at it. As. Jl. 1822, 587.

——— seen by Capt. Campbell in Southern India at noon. Cal. Jl. Nat. Hist. vol. ii. 279.

Vermillion. Chinese process of preparing. Bl. As. Trans. vol. i. 150.

Vessels, Native, of India and Ceylon. Edye on. Lond. As. Trans. vol. i. 1.

——————— on the Ganges. Voyage in. Ibid, vol. iii.—with illustrations.

——————— on the Indus. Wood on. Bom. Geo. Trans. 1838.

——— Travels to the sources of the Oxus; Bl. As. Trans. vol. vii.—with illustrations.

Vicary, Capt. Geological reports on the Beloochistan hills. Lond. Geol. Trans. 1846, vol. ii. 260. —Geological structure of part of Scinde. Ibid, 1847, vol. iii. 334.—Notes on the botany of Scinde. Bl. As. Trans. 1847, vol. xvii. 1158.

Vigne, G. T. Narrative of a visit to Ghuznie, Cabool, and Affghanistan. Lond. 1840.—Travels in Cashmere. Lond. 1842.

Vindiah. Fossils from the. Dr. J. G. Malcolmson. Bom. Geo. Trans. vol. vi. 368.

Vishnu Purana. A system of Hindoo mythology and tradition. H. H. Wilson. Calcutta, 1846, 4to.

——— Siva, and Bramha, the Indian Trinity. As. Res. vol. i. 221.

Viziadroog. Account of harbour and charts of. Capt. Montriou, I. N. Bom. Geo. Trans. 1844, vol. vii. 156.

——— Account of survey of. Lieut. Dominichetti, Bombay Marine. Bombay Courier, November 4, 1819; reprinted As. Jl. 1820, vol. ix. 123.

——— Account of capture of, in 1819. Ives on.

Volcanoes. In India. Dr. Buist on. Edin. Phil. Jl. 1852; Bom. Geo. Trans. 1852, vol. x.
——— Group, commencing at Banda, and terminating off Arracan,—above 2,000 miles in length, —the largest in the world. Mrs. Somerville. Physical Geography, vol. i. 257.
——— off Pondicherry. Sub-marine eruption, 1757, Barren Island, still burning. Lyell's Geology.
——— Narcondam, Chedooba, Chittagong, in the Bay of Bengal; Cutch, active in 1819; Meckran, mud volcanoes now active; Aden, Tadjourra, Zebayer Islands, Gibbel Teer, or Red Sea group. Volcanic commotions or appearances: Assam, in Lower Bengal; Lake Loonar, Central India; on the Nerbudda; off Porebunder, in Kattiwar, and near Kurrachee. Enumerated in Dr. Buist's paper, with authorities.
Vosoy, Dr., H. M. 67th Regt., Geologist to the Great Trigonometrical Survey. On the diamond mines of Southern India. As Res. vol. xv. 120.—On the Mosaic of Agra, &c. Ibid, 429.—On the geology of Nagpore. Ibid, vol. xviii. 123.—On the petrified shells of Gwalior. Ibid, 187.—Extracts from private journals when attached to the trigonometrical survey. Bl. As. Trans. 1850.—Biographical sketch of. As. Jl. 1825, vols. xviii. 592; xix. 261.
Vulturidæ. Dr. Jamieson's geographic distribution of the. Bl. As. Trans. vol. viii. 321.

W

Wade, Sir C. M. Account of hot springs near Sohorabad. Bl. As. Trans. 1837, vol. vi. 133.—Voyage from Loodiana to Mithenkote. Ibid, 199.—Memoirs of services of. Lond. pamphlet, 1847.
Wadi Tor, bell-mountain in the peninsula of Mount Sinai; in which, during certain states of the wind, the sands, when put in motion, give out sounds like a bell. Newbold on. Lond. As. Trans. vol. vii. 78.—Similar mountain near Cabool, described by Burnes. Bl. As. Trans. 1838.
Wadi-Arabah. The valley connecting the Gulf of Akaba with Palestine; length of, 105 miles, summit level 495 feet; Dead Sea extremity 1,446 feet below the Mediterranean. Pettermann on. Lond. Geo. Trans. 1848, vol. xviii. 89.
——— Dr. Robinson's account of. Ibid, 91; Dr. Wilson's Lands of the Bible, vol. i. 284.
——— Koller's Itinerary to Petrea. Lond. Geo. Trans. 1842, vol. xii. 76.
Wahabees. Origin of the sect of. As. Jl. 1820, vol. ix.
Wallace. Memoirs of India. Lond. 1824.
Wallich, Dr. N., Bengal Medical Service, a distinguished botanist; in charge of Government gardens at Saharunpore. Plantæ Asiaticæ Rariores; or description and figures of select number of unpublished Indian plants. Lond. 3 vols. folio.—On Indian woods. Bl. As. Trans. 1833, vol. ii. 77.—On two new species of sarcolobus, and other plants. As. Res. vol. xii. 566.—On some rare Indian plants. Ibid, vol. xiii. 369.—On a new species of wild Nepaul camellia. Ibid, 428.
Walpole, the Revd. R. Travels in various countries of the East.
Walter. Journey across the Pandua hills, near Sylhet. As. Res. 1832, vol. xvii. 499.
Walker, Dr., Bombay Medical Service, Nizam's Army. On geology of Hunumkhoond, Deccan. Bl. As. Trans. vol. x. 471.—Account of medical college near Aurungabad. Mad. Lit. Trans. 1842.
Ward. Geology of Pulo Pinang. As. Res. 1833, vol. xviii. 149.
——— Revd. W. History, literature, and mythology of the Hindoos. Lond. 1822, 3 vols. 8vo.
——— Capt. B. S., and Connor. Descriptive and geographical account of Neddangannnd Talook. Bom. Geo. Trans. vol. iv. 102.
Warden, Francis, Chief Secretary to Bombay Government 1814. Account of land tenures of Bombay. Bom. Geo. Trans. vol. iii. 1.
Waralis, and Katodis. Dr. Wilson's account of. Lond. As. Trans. vol. vii. 14; Evangelization of India, Chap. vi.
Warren, Capt. Account of petrifactions in the Carnatic. As. Res. 1810, vol. xi. 1.—Astronomical observations at Fort St. George, in 1806, 1807. Ibid, vol. x. 513.—Observations for determining the obliquity of the ecliptic. Ibid, vol. xii. 192.
Waterfalls in India. (See Cataracts.)
Wathen, W. H. On the ancient inscriptions found on the western side of India. Lond. As. Trans. vol. ii. 378.—Translation of ancient inscriptions. Ibid, vols. iii. 94, 100, 258, 267; iv. 109, 173, 243, 281.

Water-spout, tho effects of a whirlwind over the sea, not a spout of water, as was supposed. As. Jl. 1817, vol. iv.

Wax of Mergul and Martaban. Lond. As. Trans. vol. iii. 42.

Weather. Supposed influence of the moon on. Professor Middleton. Bl. As. Trans. 1851, 275. Shown by Greenwich observations, and paper of Professor Airey, to be purely fanciful; disbelieved in by Hindoos and Mahomedans.

Webb, Capt. Memoir relative to a survey to Kemaoon. As. Res. vol. xiii. 293.—On the inferior limit of congealation. As. Jl. 1819, vol. viii.

Welsh, Lieut. Col. Military reminiscences of India. 2 vols.; also As. Res. 1830.

Wells. Mode of sinking, in Upper India. Capt. Cautley on. Bl. As. Trans. vol. xiii. 336.

Wellsted, Lieut. J. Memoirs on the southern coast of Arabia. Memoir on the island of Socotra. Lond. Geo. Trans. vol. v. 129.—Vindicates the accuracy of Bruce. Ibid, vol. vii. 402.—Journey in various directions through Oman. Bom. Geo. Trans. 1836—1838; Bombay reprint, vol. i. 111.

Westergaard, N. L., Professor of Indo-Persic languages in the University of Copenhagen. Account of caves near Carlee. Bom. As. Trans. 1842, vol. i. 248.—Letter respecting the Gabrs. Lond. As. Trans. vol. xiii. 349.—Radices Linguæ Sanscritæ. Bonn, 1841.—Sanskrit reading book. Copenhagen.—On the ancient Persian cuneiform inscriptions. Zeit. für die K. des Morgenlandes, 1845.—Decipherment of the second Achæmenian arrow-headed writing. Mem. des Antiquaires du Nord. Copenhagen, 1844.—Zendavesta, complete, with English translation, grammar and dictionary, now publishing.

Whirlwind at Jessore. As. Jl. 1837, vol. xxiv. part 2, 146.

Whitelock, Lieut., I. N. Descriptive sketches of the islands at the entrance of the Persian Gulf. Bom. Geo. Trans. vol. i. 113.

Wight, Dr., Madras Medical Service, a distinguished botanist; in charge of the cotton experiments at Coimbatoor. Contributions to Indian botany. Lond. 1 vol. 8vo.—Icones plantarum Indiæ Orientalis. 1 vol. 4to.—Wight and Arnott's Prodromus floræ peninsulæ Indiæ Orientalis. 1 vol. 8vo.—On the medical properties of Mudar. Mad. Lit. Trans. 1835, vol. ii. 70.—On the Nuthgrass of the Ceded Districts. Ibid, 1838.—On the flax of Conrtelam, from the Coromandel Coast; on the land winds of Coromandel. Ibid, vol. iii. 32.—Contributions to Indian botany, No. 1. Ibid, vol. v. 115; also 1 vol. 8vo. Lond.—On the acclimation of extra-tropical plants. Ibid, vol. v. 39.—On the cultivation and preparation of senna. Note on Dr. Wallich's paper on. Ibid, 358.

Wilcox, Lieut. Survey of Assam. As. Res. 1832, vol. xvii. 314.

——— Colonel, Bengal Army, Astronomer to the King of Oudh. *Ob.* 1849. Account of observatory, Lucknow. Bl. As. Trans. 1848, vol. xvii. 517.

Wilford, Lieut. Col. Ancient geography of India. Ibid, 1822, vol. xiv. 373.

——— Lieut. F. Remarks on the city of Tajora. Ibid, vol. i. 369.—Essay on Egypt, and other subjects. Ibid, vols. iii. 295; iv. 303; v. 135, 241, 297; ix. 32, 82, 117; x. 27; xi. 11.

Wilkinson, H. On the cause of the watering of Damascus blades. Lond. As. Trans. vol. iv. 187.

——— Revd. M. Sketches of Christianity in North India. Lond. 1844.

Wilkins, Charles. Observations on the Sheiks and their colleges. As. Res. vol. i. 289.

Wilks, Lieut. Col. Historical sketches of the South of India. Lond. 18 17, 3 vols. 4to.—Translation of an Inscription on a Tambu Paka. Ibid, vol. viii. 736.—History of Mysore. Lond. 1810. —Travels in the Himalayan provinces of Hindostan and the Punjaub. Lond. 1840.

Williams, Mr., Geologist for India from 1846. *Ob.* 1848. Publication of his reports anxiously looked for.

Wilson, Rev. John, D.D., Bombay. Pamphlet on Missions. Edin. 1827.—Life of John Eliot. Edin. 1828.—Moral conquest of the World. Discourse. Bombay, 1830.—Debate with Brahmans. Separately in English and Marathi, and in Oriental Christian Spectator, vol. i. 1830.—Address to seamen at Bombay, 1831.—Rudiments of Hebrew Grammar, in Marathi. Bombay, 1832. —Exposure of Hinduism. Bombay, 1832.—Idiomatical Exercises, English and Marathi. (3 edns.) Bombay, 1833—1851.—Lecture on the Vendidad Sade of the Parsis. Bombay, (2 edns.) 1833.—Refutation of Muhammadanism, in Oriental Christian Spectator, 1833, and separately in Hindustani and Persian. (2 edns.) Bombay, 1834, 1840.—Second Exposure of Hinduism, separately in English and Marathi. Bombay, 1834.—Sermon on the death of Mrs. Wilson. Bombay, 1835.—Tour to Goa and Southern Maratha Country. Oriental Christian Spectator, 1834.—Address before Bombay Branch of Royal Asiatic Society, on his election as its President. Bombay, 1835; Bl. As. Trans. 1835; Lond. As. Trans. vol. iii. 1836.—Journal of Tour in Gujarat, Kathiawar, and Kach. Reprinted from Oriental Christian Spectator, 1835.—Letter to Jaina priests of Palitana, from journal, translated into Gujarati. (3 edns.

Bombay, 1835, 1837, 1852.—Discourse on the British Sovereignty in India. (3 edns.) Bombay, 1835, and Edin. 1837.—Memoir of Mrs. Wilson. (4 edns.) Edin. 1837—1847.—Translation of the general Sirozeh of the Parsis. Lond. As. Trans. 1837, vol. iv.—Letter to Mr. J. Prinsep on Girnar Tablets. As. Trans. 1838.—Account of a visit to the Falls of the Sharavati, (near Girsipa.) Jameson's Phil. Jl. 1838.—Note on the worship of Vetal. Lond. As. Trans. vol. v. 1839.—Sermon to the Parsis, with an account of their settlement in India, &c. (3 edns.) Bombay and Edin. 1839, 1847.—Notes on the Kiṣṣah-i-Sanjan, or Arrival of the Parsis in India, translated by Lieut. E. B. Eastwick. Bom. As. Trans. 1842, No. iv.—Vendidad Sade, &c. in the Zend, with Framji Aspandiarji's Gujarati translation. Edited, Bombay, 1842.—Zarthusht-Namah of Zarthust Behram, in Persian. Lond. 1842.—Account of the Waralis and Katodis, two forest tribes. Lond. As. Trans. 1843, vol. vii.—The Parsi Religion, as contained in the Zendavesta, &c. Bombay, 1843.—Memoir on a mission to Nagpur. Edin. 1844. Sermon. Oxford, 1844.—On the Sacred Literature of the Hindus. North British Review, 1844, vol. i.—Review of Baron Hugel's travels in Kashmir and the Punjab. North British Review, 1845, vol. ii.—Lands of the Bible visited and described. 2 vols. Edin. and Lond. 1847.—Brief notes on certain Parthian, Bactrian, and Indian coins. Bom. As. Trans. Jan. 1849.—The Evangelization of India. Edin. 1849.—On the use of Sanskrit in Education. Oriental Chris. Spec. 1849.—Tour in Sindh. Oriental Chris. Spec. 1850.—Memoir on the Cave-Temples and Monasteries, and other ancient Buddhist, Brahminical, and Jaina Remains of Western India. Bom. As. Trans. Jan. 1850.—On the Hazors of Scripture, with the identification of the Hazor of Kedar. Bom. As. Trans. 1852.—Brief Memorial of the Literary Researches of W. Erskine. Ibid.—Second Memoir on the Cave-Temples, &c. Ibid.

Wilson, H. H., A.M., Bengal Medical Service; Secretary of the Bengal Asiatic Society till 1832; Professor of Sanskrit in Oxford; Director of Royal Asiatic Society; Librarian of E. I. C. Sanskrit Dictionary. Calcutta. (2nd edn.)—Remarks on Sanskrit inscriptions. Bl. As. Trans. vol. xv. —Account of Hindu remains at Chattisgher. Ibid.—Sketch of the religious sects of the Hindus. Ibid, vols. xvi. and xvii.—Sanskrit inscriptions at Abu. Ibid, vol. xvi.—Notice of three tracts from Nepal. Ibid.—Description of select coins. Ibid.—Remarks on Dionysiacs of Nonnus. Ibid. —Translation of inscriptions at Vijayaganagar. Ibid, vol. xx.—Various papers in Quarterly Oriental Magazine.—Megha Duta, translated into English verse, with Sanskrit text.—Specimens of Hindu Theatre. 2 vols.—Descriptive Catalogue of Mackenzie Collection of Oriental MSS. 2 vols.—On Thibetan Literature. Gleanings in Science.—The Sankhya Karika system of philosophy.—The Vishnu Purana translated.—Proverbs, Persian, Hindustani and English.—Lectures on religious belief and practices of the Hindus. Oxford, 1840.—Historical sketch of Burmese war. (2nd edn.)—Review of External Commerce of Bengal. Calcutta.—Travels of Moorcroft and Trebeck. Lond.—Mill's history of British India, edited, with continuation. Lond.—Ariana Antiqua; Antiquities and coins of Affghanistan. Lond. 1841.—Grammar of the Sanskrit language. Lond.—Papers in Bl. As. Trans. the most important of which, on the Puranas, have been reprinted in Lond. As. Trans.—Historical sketch of kingdom of Pandya. Lond. As. Trans. vol. iii. 1836.—Essays on the Puranas. Ibid, vol. v.—Notes on the Sabha Parva of Mahabharata. Ibid, vol. vii. 1843.—Translation of Mir Izzet Ullah's travels beyond the Himalayas. Ibid.—Note on the Kapur-di-Giri inscriptions. Ibid, 1840, vol. viii.—Summary account of the Sikhs. Ibid, 1847, vol. ix.—Religious Festivals of the Hindus. Ibid.—On the rock inscriptions of Kapur-di-Giri, Dhanto, and Girnar. Ibid, vol. xii. 1849.—On the sacrifice of human beings as an element of the ancient religion of India. Ibid, vol. xiii. 1851.

Winchester, Dr. J., Bombay Medical Service. Memoir on the river Euphrates. Bom. Geo. Trans. vol. iii. 1.—Notes on Scinde. Ibid, vol. vi. 194.—On the practicability of advancing an army from Europe into Asia by the provinces of the Tigris. Lond. Geo. Trans. vol. vi. 187.—Note on the island of Karak, Persian Gulf. Bom. Geo. Trans. vol. iii. 35.—Notes on various places in the Persian Gulf. Corbyn's India Review, 1842.

Wind. Velocity of. Lond. Geo. Trans. vol. iii. 81.

Wind-mills for India. Dr. Buist. Pamphlet, folio, 1847. Bombay Times, December 4, 1847.

——— at Vay Pura, Malabar, 1798, for driving a saw-mill to cut teak for Bombay. Buchanan's Journey, vol. ii. 472.

——— at Bombay, about same time. Supposed flour-mill. No historical account of.

——— at Mahim, in 1848, on horizontal principle. At Saul, on ditto.

Wingate, Capt. G. Account of meteoric stone which fell in Dharwar, in February 1849. Bom. Geo. Trans. 1849.—On the formation of laterite. Ibid, 1852, vol. x.—Account of agriculture of Kandeish. Pamphlet printed by Government, 1848.

Wise, Dr. Experiments on ice, and account of the mode of manufacturing in Bengal. Bl. As. Trans. 1832, vol. ii. 80.—Portuguese in Bengal. India Review, 1840, 350.

Wood, Lieut., I. N. Report on the river Indus. Bl. As. Trans. 1841, vol. x.—Notes on the lower part of, and the craft thereon. Bom. Geo. Trans. 1836—1838; reprint, vol. I. 89.—Journey into the Naga hills. Ibid, 1844, vol. xiii. 17.—Journey to the Oxus. Lond. 1841, 1 vol. 8vo. —Journal of a visit to the Laccadive Archipelago. Lond. Geo. Trans. 1836, vol. vi. 29.

Woods. (See Forests.) Of Martaban. Lond. As. Trans. vol. iii. 7.

——— Strength and elasticity of Indian. Capt. Baker on. As. Res. vol. xviii. part 2, 1833.

——— Dr. Wallich on. Bl. As. Trans. 1833, vol. ii. 167.

——— Forests and forest trees of Malabar. Edye on. Lond. As. Trans. 1835, vol. ii. 358.

——— Weight, and strength—characteristics of teak. Ibid, 358.

——— Size and cost of peon spars for every class of ships. Ibid, 343.

——— Capt. Munro on timber trees of Bengal. Bl. As. Trans. 1848, vol. xvii. 1095.

——— Dr. Gibson on forests of Northern Concan. Bom. Agri. Trans. 1852.

——— Influence on humidity of climate. Ibid. (See Balfour.)

Wootz. Native steel of India. Account of. J. Stoddard. As. Jl. 1818, vol. v. 570; Lardner's Cyclopædia, Arts. iron and steel.

Y

Yadava. Dynasty of Devana Samudea. Devagiri of. Lond. As. Trans. vol. iv. 5, 23, 26.

Yarkand, city of. Ibid, vol. vii. 302.

——— Account of, drawn from Chinese and Turkish authorities. As. Jl. 1824, vol. xviii. 563.

Yates, W., D.D. Dictionary in Sanskrit and English. Calcutta, 1848.—Grammar of the Sanskrit language. Ibid, 1845.

Yatraika system. Lond. As. Trans. vol. ii. 204.

Ye. Province, town and trade of. Ibid, vols. ii. 255, 261; iv. 287.

Yih-She, or explanatory history of the Chinese. Remarks on. Ibid, vol. iii. 272.

Young, Capt. John. Currents in the Arabian Sea. Orlebar's account of. Athenæum, 1847; Rep. Brit. Ass. 1848.

——— Capt. James, I. N. Memoir of the Maldive Islands. Bom. Geo. Trans. 1836—1838; Bombay reprint, vol. i. 54.—Account of famine in Laccadives in 1841. Bombay Times, August 13, 1851; Madras Spectator and Bombay Times, October 1, 1847.

Yule, Lieut., Bengal Engineers, in charge of the observatory at Aden in 1840. Account of the Kassia hills. Bl. As. Trans. 1844, vol. xiii. 853.—Native tree bridges. Scandinavian antiquities amongst.—Tremendous falls of rain at Cherrapoonj. Ibid.—Translation of the Canal Grant of the Emperor Acbar, with notes on the western Jumna canal. Ibid, 1839, vol. x. 113.

Z

Zeitschrift für die Kunde des Morgenlandes. (Journal of Oriental Literature.) Göttingen and Bonn, 1837—1849.

——— der Deutschen Morgenlandischen Gesellschaft. (Journal of the German Oriental Society.) Issuing from Leipzig.

Zend and Pehlivi. Illustrations of the languages so called. J. Romer, Bombay Civil Service. Lond. As. Trans. vol. ix. 345.

——— books. Authenticity of. Professor Westergaard to Dr. Wilson on. Lond. As. Trans. vol. viii. 350. (See Westergaard, and Wilson, J.)

——— the original idiom of Zoroastrian books. Translation from Ritter's geography: cuneiform inscriptions. Bom. As. Trans. vol. ii. 251.

Zebeyer islands, a volcanic group in the Red Sea, active in 1846. Dr. Buist on volcanoes of. Bom. Geo. Trans. 1852, vol. x. 140.

——— Irruption of, in 1846. Ibid.

Zinc mines in Jawar. Memoir on. Capt. Brooke. Bl. As. Trans. 1850, 213. Revenue Rs. 220,000 annually. Closed in famine 1810. Colonel Tod's notice of. Rajasthan, vol. i.

Zodiac coins of Jehanghir, gold and silver, struck probably at Agra, and part at Ahmednuggur, in honour of his wife Noor Jehan. Dr. Bird on. Bom. As. Trans. vol. ii. 65—with a plate of all the coins.

Zoology. (See Blyth, Hodgson, Sykes, &c.)

Zoroaster, or Zerdusht, the founder of the Parsee religion: supposed to have flourished about six centuries before Christ—the Persians make him cotemporary with king Gushtasp, the Darius Hystaspes of the Greeks; his religious system contained in a work called the Zendavesta, a compendium of which is the Sadder—both regarded among the Parsees as sacred. Major Rawlinson's account of. Notes from Tabriz through Persian Kurdistan, in 1838. Lond. Geo. Trans. vol. x. 60, 84. (See Wilson, J.)